

FIGURE 1

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1   ggatccagaa taacccaaaac aatattgaaa aataaagaac agcgttggtg gattaacatt
61  ttccaatttc aaaacttact atagcactgc ggtaatcaag cagtgtggca ctgtatagca
121 tgtacattac agatcagtgg actagaatca atgtccagaa ataaaccgtt atgtttataa
181 tgaattactt ttttaataagg tgtcaagaca acgcaatggg aaaagaataa tgaattcaac
241 aaatgatgca tggacaaccg gacatgcaca tgcaacacaa tgaatttgaa ttcttctatc
301 gctccatgca taaaaactaa ctcaaaatgg gtccaggatg taaatgaaaa gctaaaacta
361 taataatcct agaggaaaac ctaggagtaa atctttaaga tgttattgta ggcagtgggt
421 tctcagatag gaccccaaaa tcacaagcga caaaaagaaa ttggacttaa agttaaatc
481 ttttgtgctt caaacatcat caagaaagtg aaacacacac ccgcagaagc aataaaaatg
541 tctgtaagtc atgtatccga ttagagactt ctatccagga tatataaata atgcaattca
601 atgataaaaa agataaatag ccagtttttc caaagagtca agcatctgaa tatacatctc
661 tccaaaaata tacagatatc caacaagcat gtgaaaagat gttcaaagcc atttgccagg
721 tgcaaaaacc caagacagta tgaggagatg ctacagggac tctgctgctt cacagacatg
781 aagcgttggt gagaatgtag gcagccgcct ttggggactt cacatccccg ccgccccacg
841 cacggtgagc tagtgtttaa acttagccga gatcaataca cgcgactgtg tgcccgctcag
901 accctgcgct gccggcgggg ctgggagagg cgggcgcagc gagtgggcgg gaacctgggg
961 gtcaggcccc agccgcggga agcgcgccc ggcgcgcgcg aaacctcttc cacaccttc
1021 caggcathtt cccgcgcga ttcagagagc cgaccctgga ccctggcctt ccctagaca
1081 gccccgcagc tccagatgtg ccgtcccgcc tgccctccgc gacctggc catctctggg
1141 cctgggcgcg gttctcggcg ccgggcctgc ccccgccagg agccgcaggt ccagccagtg
1201 aagaagcccg cgctgaagg agcctctgtg ctccagaatc catcctcagt atcagcgctg
1261 ggggtggcctc ctccaggaag cccttctgat tctctcatgg gtcgctcttc ctctgcagac
1321 tcccggagca cccctgctc caagtaccgc aagtggcact gagaacttgg ggagagcaga
1381 ggctgtgcct agatttgtag ggagtccccg cagctccacc ccagggccta caggagcctg
1441 gccttgggcg aagccgaggc aggcaggcag ggcaaagggg ggaagcaatt caggagagaa
1501 cgagtgaacg aatggatgag ggggtggcag cgaggttgcc ccagtccctt ggctgcagga
1561 acagacacct cgctgaggag agaccagga gcgaggcccc tgccccgccg gaggcgaggt
1621 cccgccagc cggcgcgcg cgtgaagagt gggagagaag tactgcgggg gcggggcggg
1681 gggcgggggc gggggcgggg gcagccggga gcctggagcc agaccggggc ggggcgggga
1741 ccggggccag ggaccagtgg tgggaggagg ctgcggcgct agatgcggac acctggaccg
1801 ccgcgcgag gctcccgcg ctgcgtgctc ccgcggcccc cgccatgcc tctacacgg
1861 tcaccgtggc cactggcagc cagtggttcg ccggcactga cgactacatc tactacagc
1921 tcgtgggctc ggcgggctgc agcgagaagc acctgctgga caagcccttc tacaacgact
1981 tcgagcgtgg cgcggtgagc gcgggcgggg cacgggtgga gcgcgggctg aggtgcgtcc
2041 gggacccggt ttggacggca gaggcctggg cgggggcgcc gagggcccggt cggggcgggc
2101 cggacaggac tgggggtgtc caggaccctg tcaggagggg cagaactgcg gtggggcggtg
2161 ccctgggctc ccagtggccg gtgggtacc

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FIGURE 2

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1      ttgcacgctn ctcagccccc gctgtactat tggctctacac gtgccatcgt ggtttgctgc
61     aacctcaaac ccatcatcta cattaggtat ttctcctaata gctctctttc cccttgcccc
121    ccacctctta acacgccctg ttgtgtgatg ttgacctccc tgtgtacatg tgttgtcatt
181    gtacaactcc tgcttatgag tgacaacatc tgtctgattt tctgtcttgt gttagtttgc
241    tgagaatgat gggtcccatc ttcatccttg tacctgcaaa ggacatgaac tcatccttta
301    atatggctgc ttagaatccc acagtataga tgtgcctcat tttctttatc cagactatca
361    ttgatgggca tttgggttgg atccaagact ttgctattgt gaacagtgat tcaataaaca
421    tacgagtgca tgtgtcttta tggatgaatg attgataatc ctttgggcat ataccacata
481    atgggattgc tggacctaata ggtttgcctg gatcctgatc cttgaggaat caccacactc
541    tcttacagtg taaaagtgtc tctatatata ctcatccctt ccagcatctg ttattttactg
601    actctttaat catcaacctt cttactggag agagaagggt taattaccac taatgacgag
661    cctttaatca aattgttgtt ggacccttcc caacttactt gcgaagggtt catttgtaaa
721    cttacgccac cttttgatgg ggcagttttt ctctgtttatc cgcaaagatc ctgggggacc
781    ccttttttta actcttttga agaccgttat atctgaacaa tttctcccat accgagaggt
841    ggoggggttac aacccttgat agtttctttt tttttttggg gcccttagt ttcaacaaaa
901    tcccttcogga ccaatttgcc ttttgttgcc aagggaattt tccccctaag tctactaggaa
961    tttttcccag ggcacacagg tgtagtggcc ttccccagaa tttttctcct gggatatcaa
1021   tgttataaga aaaaaaattg gggaattttt ttaaacctcc aataaaattt tttatagaga
1081   taaggccggt ttcatttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
1141   nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnccg
1201   ggtcttcagc ccgtggtgaa gactgattaa cagtcataag aaggtaaagc tctaagtgc
1261   ctgtaagaaa catacagtct cacacaatta ggcaaggagt ccaacttgga agaagagtg
1321   gcatagattc aaaccctgat gccacaactt atgttaacct tcctgaggct caacttctca
1381   cacatgacag gagaatctca tcatgtacct caattaattg atatacagat tatggtaaac
1441   attcaatgaa aaagtatgta aagtttctat catttacta cagttggtat tcaacaaatg
1501   coacttttatt cactttctgt taagcctgaa agaagtactg aatgacatca acgagtgc
1561   ttcaacaaat ataatttgag cactgattac tcaataagca ttataggaa ctaaaatatt
1621   atcagcaaat gatggctgac atagaggaaa tgtgacagag taggaagatc cctgtactcc
1681   ctgtatcaaa ggactgagat tcttccactc aggaccatgt gtgaccccaa cagaagtag
1741   aaatttatcag aaagatacct ggcaaacac ccaaatagtt tgaagttaaa caatctacct
1801   ctgaataaca ccccatggaa atttttaag attataatgt gaattaaaat gaaaacatat
1861   aaccataaca aaaattgtag gatacaggaa aactggtgct catatagcat taactgttta
1921   cattacattt tagagaatca acttaattca attatctaag tttctatttt agaaaactat
1981   gtaaaaaaag gagagcatat ttaaaaagta agcagaagaa caaaagataa gcatgacaga
2041   caatgaaatt gaaaatggaa aaatcataga gaagaatcaa atgaatcaa agtagtttct
2101   tggaaaagat caataaataa aattggttga tataatttac tgatattagg agtgggaaag
2161   ataactcact atcatagatc catgatgaac aagcttattt caataaatta ataaactcag
2221   caacttcaac aaaatggaca gattacttgg aagacaccaa ttaccaaagc tcaaaaaaag
2281   agaatctaaa tagtcctata tttatgaaaa aaaaaaacia aactgaattt gtatttaaaa
2341   actttgccac aaagaaaatt ttaggttcag atgggtttcc taataaattt tccccattta
2401   gtaagaataa tatcaattct acacaaactc attcaaaaaa aaaggagaga gaatacttta
2461   caacacgttc tgcaaggtca gtattaccct gataccaaaa caaaggatat tacataaaaa
2521   cgacaccaat atccttcag aacatagatt cttcaccacg gggctggaag gatccgnnnn
2581   nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
2641   nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatag cagcccttg agccctggt
2701   gaatataaga gattaggcta cagcgtgttc tactccaact ttatttgctt tctgagcatc
2761   taattccact ttgcaaatg gacatttttt ttccctcttg agagtcagga aattaccagg
2821   tgtgccagga taatccttag tatcaactgt aaaatatcag tataaaataa tgagtaagca
2881   tatttcagtg ggtgtttata tgcttttggg tgcatagcat gagccaaagg cagataaaaa
2941   atgtgggctc cagatagtga ctcaatctcc agaaatcata atgtcagtta cacaatgata
3001   tttctatatt ggcatcacaa aataatccac ttgtcatagg ataattgctc tagatgaggg
3061   catggagctg tgctgaggaa tctgccattt ttctttatcc agactctgtc tcatacogac
3121   cacaggcccc aatcattgtc tatcaaaaaa catgcttggt tctcttttgg cttactatga
3181   aaggagcaa gatcttttcc tcaagcattt aagtgttgac tgtgggctac ccagtgtgct
3241   agacactgng gatcaaattc tgtgaggtta aaaatacccc ataactcact ggatagaaat

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FIGURE 2 (cont.'d)

3301	tcaaaatgct	cgctatgttg	attctatgat	caacttccaa	ggggaccttt	ntacctccta
3361	tcttcatcag	caagcaacta	cattgatttt	gtagcccagg	atctattccc	acgtcaaccg
3421	tgggtttcaa	atgtttgctc	tagctcaatg	gcctcttaag	ccactaacco	aatatgttgc
3481	tttttaccag	taaaaaagtg	catctgggga	ataagttggt	gtatatttgt	ggttcagcca
3541	gcccatagat	cgtccagagg	accccaggct	taggaggaat	cctcagattt	gagagccact
3601	gtcctgtagt	atgcagatag	cacagctctt	cctgaaaata	ggaattcaaa	tgaggaaaaa
3661	tgaaaactct	cctaattatt	ttcttctgcc	tctttcattc	caagctcatc	taattatcat
3721	gctctattgt	gaagaatcaa	agaaagaact	cataaatata	ccttttgtgc	ctgtattttg
3781	aatgtacgtt	gtgcatgtaa	gcctttgtgg	ttaagcaa	gtcaagaaaa	tccctagtcc
3841	cattgcttac	agtcaatatg	gggcaattca	agcaaagtat	atgcctctaa	tatggtttga
3901	aaattctgaa	agttcagaaa	aaatgttgct	acttcagcca	tctgatgtta	ctggatattg
3961	agaatgagac	ctcctctccc	tctgctttcc	tcatttccat	ctcctccttc	ctctttctcc
4021	tctctccctc	tcctttattc	tccttctccc	tcctctctct	ccatgcttac	tccttctctc
4081	ttctccctct	ttcttcttta	ttctccttct	cctcctctct	tctctctccc	cttttctctc
4141	ccttctctct	ctccctccct	ctcctttatt	ctccttctcc	ctcctctctc	ctcttcccc
4201	ttttcctata	ttcccagatt	aggccatttt	caaaactggt	taaacattcc	ccaaaagcat
4261	ttatgacaga	gaattgacta	ggatctcacc	tgaatcacag	agcttgccca	ttgaacacag
4321	gcaaagatca	agccattttc	tcttgatgtg	atgcttcagc	attttatgca	tttgaacaaa
4381	attttatgta	aaaaaaagct	tagccctttg	gtgacgggga	ttccttttct	ggatgatctg
4441	ccaaagaatc	aagaccaaac	gtccagctta	tcaaattttc	tctggacott	tannnnnnnn
4501	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
4561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnccgtggtg	aagacttcca	cgtgaacttt
4621	aaagtagttt	tttccaattc	tgtgaagaat	gtcattggta	gcttgatggg	gctggcactg
4681	aagattttct	tcatttttat	gactgcatag	cattccatgg	agtatatgta	ccacattttc
4741	tttatccaat	tcactgttgg	tgggcacctc	ggtcaattcc	atgactttgc	tgttgtgaat
4801	agtactgcaa	tgaacatgtg	agtgcattgt	tcttttttga	ggaataattt	gttctctttt
4861	ggatatatac	ccagtaatgg	ggttgctggg	ccaaatggta	gttctgtttt	aagttctttg
4921	agaaatctcc	aaactgcttt	ccacagaggc	tgaactaatt	gacattccca	ctgccatgca
4981	tgagcattcc	cttttctcct	cagctccacc	aacatctggt	gctttctgac	tttttgataa
5041	tagccattct	gatgtgtgag	atggtagccc	attgggggtt	cttttttttt	ttttaagaca
5101	gagtctcact	ctgtcaccta	ggctgtggca	caatgttggc	tcgctgcaac	ctctgcctcc
5161	tgggttcaag	tgattctcct	acctcagcct	actgagaagc	taggggttaca	ggcacctgcc
5221	accacaccca	gctaattttg	gtattttttg	tagagacagg	gtttagccat	attggcaagg
5281	ctggctctca	actcctgacc	tcagggtgacc	cacctgcctc	ggcttcccaa	agtgtctggg
5341	ttgcatgcgt	tagctaccat	gggtgggttt	tgaacttgcat	ttctctgatg	attagtaatg
5401	atgatccttt	tttcatacat	ttgttgggca	cttgatgtgc	ttcttttgag	aagtgtctgt
5461	tcatactctt	tgcccatttt	tcaatggggt	tgttttttcc	ttgtccagtt	gtttaagtta
5521	tttatagatt	ctggatatta	gtcctttgtt	gggtgcataa	tttgcaata	ttttatctca
5581	ttctgtagg	tatctattta	atctgttgat	agtgtctttt	cttgtagaca	agttgttcag
5641	tttaattagg	tctcacttgt	caatttctgt	ttttgttgta	attgcttttg	aggacttaat
5701	cataaattct	ttcccaaggc	ccatgtccag	aatgggtgtt	ctgagatttt	cttctaggat
5761	tcttttactt	caaggctctta	tatttaaata	tttaatccat	ctggagttaa	tttttgtagt
5821	tggcaaaagt	taggtgtcct	gttttatttt	tctgcatatg	gctagtccag	tatcccagga
5881	ccattcattc	actaggaggt	cctttcccca	ttgtttactt	ttggcaactt	tgtcaaagat
5941	tagatggctg	taagtgtgca	gatttatttc	tcagctctct	attctgttca	actggtgtag
6001	gtatctgttt	tcgtactagc	accatgctgt	tttggttact	gtagtcttat	tagtatagtt
6061	tgaagccagg	taatgtgatg	cctctggcct	tgttcttttt	gcttaggatt	gctttttggg
6121	ctctctgttg	ttgtgtttcc	atatgaattt	taggacactt	ttttccaatt	ctataaaaaa
6181	atgacattgg	tagtttggtg	ataatagcat	tgaatctgta	gatagattgc	tttgggcagt
6241	atggccattt	taatgatatt	gattcttcca	atccctgagc	atggaatgtt	tttccattta
6301	tttgtgtcct	ctctgatttc	tttttagcag	gttttatagt	tctccttgta	gagatctttc
6361	acctccttgg	ttagctgttt	tcttaggtat	tttaattttt	tgggcctttg	taagtgggat
6421	tgaagccttg	aattgggtct	tagcctgaat	gttattgggt	tatagaaata	ctactaattt
6481	ttgccatcca	ttttgtatcc	tgaaacgtcc	ctgagtcatt	tgttaattcc	cagaggcttt
6541	gtggagtctt	taggttttct	atttttagaa	tctattcttc	ccaaagagaa	atactttccc

FIGURE 2 (cont.'d)

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6601 ctctcttttc ctaatcggac ccctttattt attcctttgc ccaaggcttg gaaagccctt
6661 ccatactttt ttaaaaagaa cgtggaaaaa ggcccccttc ttattctcgt ttaaaggaac
6721 cttccatttt cgctgtcaaa tggnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
6781 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
6841 nnnnttggtt ggaatatccg gtgcttattc ctcttcagga gttttattct tccaaaaatg
6901 cagcttttca ttctctctcg tttttcttct tgtgccaaat gcctccagcc tttccatggt
6961 ggtgcggtaa gctagacatt tttagtttgt agtgattggt ttctgtttgt tttgtatggt
7021 tttgtgccca tagtcacttc tgtaatgttc gtttctgagt ttcttttggg gggattaacc
7081 tgccactgaa gtgtcagctt ccctgtcatg ggactgtcct tggaatgaca ggttttcctt
7141 ccaccatagg atctgccact gtgaaggaga tgatgagagc cccctgatca cccctgccca
7201 ctgcacagga agcctocact tctgtcacca ggctgtcctg cagcagtgga tcaagagctc
7261 cgacacgcgc tgctgcgagc tctgcaagta tgagttcatc atggagacca agctgaagcc
7321 actgagaaaa gtacgtggga ggaagggatg cttcacctt cctgaaacca gtgaccccca
7381 gaaagctggt gtctcagatc atgaggtcat ggcttgctg cgttcatttc cttaaaaagc
7441 tggggctggt gcttacattt gcattgtaga gattgttgtt tctgggtgctg attttcaagt
7501 ccctcttctc aggaagaagc tctttctgac cattcataat ccttcttttc ccttcaaagt
7561 aagactgctt gcttgctggt gtcagtcctc tggcctttga ctacagactg tttgtgacat
7621 atcttagcac ctaattttat acatattaac tgttgacgtc ctgcttctct gattaggact
7681 gtctgttggg gattagtatc tccccagcac ccagcacagt gtagcataca gtaaatttat
7741 ttgtatacac ccatgataac tatttgctgg atgggagtgt gagtaggttg atagggaaaa
7801 gaaaggaagc acaaacgttg cgtgatgtgc aactgtcttc agaaaggacc cacaggcatt
7861 gcatgacacg cagctgtctg gaggcccatg tcaactgtctc ctctgagagg agctttgtcc
7921 gccacactgg ctctctgttt aaattttgac tgtttcatat atctctctag atgccagca
7981 caaaaggttt tgtctggaag aataaaaaaac tgttctctatc tcagaacatt aatatataaa
8041 ttgcaagata agtcacataa tcaaatacta gccaatataa tgctaaatgg tgtgctggta
8101 gagcataaca gtcatcagaa aaaggaaatg ctcatatga gctagagtgc tggggaagtg
8161 gagcgatggt agcctcatag ggtgtttggg ttttagagca gttcttgaag gatcactagg
8221 atttggaggg agagtgcagg gagtttagag aggtcaggct gtctgtggag taaagcatac
8281 cctagaaaag tgaaggtgaa cattgacagg gtgtcaagct acgtgcgttg taggaagtag
8341 caggagcatg ggggcactga ggcactgata ctgtattata ggtaggaaga ccagggaact
8401 tgctagtgtg taaaatocca gcagaaaaaca accagattta gagaaggctt gtgcaaaactg
8461 cttaaaaaaa tgttttgccc agtagaaacc ttgtaattta ttgggtgcct actctatgct
8521 aatctctcaa catgggaagt ccttgaggct ctattttcaa ctaccctgca tagactcatc
8581 tggaaagagg ctgtgactag ggttggaaca ggatatgtgc agagtgttga cacattgttc
8641 tttctctcta cctttatgtg ttttctcctg attcggaac cagtaaatga aaaagaaagt
8701 ctggctattt ggagtaaatt aatgagctcc tagaggagat gggactagca gactctgctt
8761 gtaccaggaa ctcttagcgt cgatttcgag ctgttgctgc caaagtagca aggaccaaag
8821 agtgagcgtc ttctgccatt caccttcaca atgtagtgtg acccatctgc tagtgtgttg
8881 tggcatcatc aacctcttct ttcgcctcgt ccattgccag cagcacatca gggagactta
8941 aaacgtagta cctgggtcct gggccaacat actgttttca ttaggactga aatcatagaa
9001 ttctttatca ggccatctta tgtctgcttg caagaataag cagacaaggg gatttttgat
9061 ggtagtcttg cattcatctt gatcctggct tcttttcatt gcatagaaag ttggctgcac
9121 ctggtacctg gttgaagcca agtggtttta ggagaacaat acttggggga atgcatctag
9181 tttgggaagg gagaagtggg gtggaaagcc aatcttacct acctacaatg ctctcacccc
9241 accggagccc ttccccagaa gcctgagcct cacactctgt gttgtcttct tagtgggaga
9301 agttgcagat gacgtccagc gagcgacagg agatcatgtg ctcatgtaca ttccacgtca
9361 ttgccatcac atgtgtggtc tggctcctgt atgtgtcat tgaccgtact gctgaggaga
9421 tcaagcaggg gcaggcaaca ggtgagttct caggctggag caagctcagc atgggggccg
9481 ggatagctca caggagtcct ggggtcagag gattttccag ttagccaaaa acgtctgggt
9541 ttccggagga gggacatcag ttaggagcca ctagcctcct ttttggcatt tcttttgctg
9601 tgggtgtagt ttttgaacc cagtcaggag agttcatatt ctggagcatg agaatctcctg
9661 caaactacat cctataaaa caggaagtag ctggacactg tcttccactc tcttttgact
9721 gacgaacatt ggatgagttg tgaatccatt ggtcagtggt gcaggcttgt ggtcccgaga
9781 tacttgaggg tgagggatgg aggattgctg aggtcagga gttcaaggct gtagtgtgcc
9841 atgatcacac ctgtgaatag ccactgcact ccagcgtggg caacatagca agactccatc

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FIGURE 2 (cont.'d)

9901	tcttaaaaaa	caacaacaac	aacaaaggtc	ttcaccaggg	atctgcctag	gtcagcgagg
9961	tggttcatca	agannnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
10021	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnggagtgt
10081	acttcacccc	gtggtgaaga	tgcggcacag	actggcggtt	cctacggcgc	cttcactgga
10141	aagcgccctt	gtggtcctgg	ggagaggcg	gctccatccg	ccacccttcc	cggagctgcc
10201	cccgcacatt	ctcatgggag	gaaatcgag	ggcgtgtgag	cccccgacc	ctcgcccca
10261	cctctgcag	gacggcgcg	atttctgcac	tgtcccgcc	cactgggaag	gaaactctct
10321	ttctcaattt	cctttaatga	ggacattgtc	ttttcagccc	tgccaccccc	tgcaatcgtc
10381	ttccaggctg	caaacagcga	gtggggaggt	gaacacatca	gcttttctct	cctccacacc
10441	accaggaaat	ttcgcaaacc	acttggtctt	cggcggcctg	gcctcgccac	acctgtgccc
10501	acagtctctc	tccgctgcag	ccccctgtgc	cattctccag	gccccacgta	cctctgcctg
10561	ggcccagtaa	gacctggtca	gatggccccc	ggctgcaaag	ccttcctggg	ccccatcaga
10621	gaggacgccc	aggtgaagcg	aggggtccct	gcccaccctg	caagcgcagg	ggcccttcca
10681	agagtgcagc	cctaggccgg	tgtgtgatgg	tggagacgcg	gtcccagagg	gcctgaacca
10741	agaatggaga	agacaaaggc	tgtctttagg	gagaaacttc	cctgaggggc	tgatgtgtgc
10801	gatcccat	taatctcaca	accctgggga	ggagctgggg	cgggtctca	ttgttcattt
10861	gaggacaccg	aggtcagggg	aacttagacg	actttcctag	ggtcccccca	acccccaccg
10921	gcccagggcc	ctctcccagg	caccctcat	ccccacacag	gctcctctaa	gctgttctct
10981	tgtggtccag	cccccttggc	tcagctcctc	aaatacaggg	acacctcttc	tctccccgc
11041	agaactcaag	ggtctccatc	cactgtgcca	gcacagaggg	ggtgctcaga	gtggggctaa
11101	gcttactgtc	cagcctgctg	ggccaggagg	ggcagaaggg	cccctctcag	gattccttcg
11161	ctctgtcctt	gccaataggc	catcactcaa	ggggctaata	acaggacgat	gtggagaaac
11221	gtgggctgca	gcacttctgg	ggccaaggcg	aggggtggcg	gcactgggga	gtacagggga
11281	ggggacctca	ctggggccag	aggcttctag	aagcttctgc	aagaaggggc	ccctcaccca
11341	tgtcttgccc	aagaagtggg	gaggggtggg	gtggcaaagg	aaacagctag	gtcagagaca
11401	agagatgtc	tgcaaagccc	tgtgtgctcc	ccacggtgga	gcatcctatg	catgtaggac
11461	ctgagagatg	gcagggggcg	gtgcgtccct	atggatgtat	ctccatttct	gggcagagac
11521	atctgggctc	tcacctgcaa	ttgagccaac	caagaaatta	tatttacttt	ttagagcgag
11581	cctccaacaa	attatacaag	cacttgagaa	taagccctcc	cactgtcttg	agagatggag
11641	cccaggagg	cagctggaaa	gatgtccctg	ccctcactca	ggagagatgg	tggagctggg
11701	agaggaggag	gcactccctg	ggaccagca	gatggacttg	actcagcaaa	tagatgcaac
11761	catatgtggg	gggtggggag	gcccagaaag	gcattacagg	ccagtgttct	taactctggc
11821	tatacactgg	aatccaccag	tagccctaaa	atataactgt	gctggacttc	ccctggttcc
11881	acagtttgtg	cagagtgggc	agcatggagt	ctgtaacact	aaacacacag	gattgagaac
11941	catatgtcta	ggctgttggt	agccatgatg	gggatacatg	aaaaggaggt	gcacagttac
12001	cttctatacc	acaggatagg	tgtctattaa	accctgttaa	aatggactgt	gacccagctg
12061	gcactcaggg	gcactcaggg	gccagggtgg	tcacactttc	atttttaata	gatttaataga
12121	gcacctattc	tgtgacagct	gctaagatac	agaggctcct	gagatacaga	gatgacaatg
12181	accttcagaa	acactgaaca	gagataagaa	aggcacagtc	tggccttcac	tcaccatta
12241	attcctccat	ccatccatcc	atccatctat	ccatccatct	ctctgtctat	acttccatcc
12301	atccaccatc	cattcaccat	ccaccatca	atccatccac	ccatctatcc	atccatccat
12361	ctcactatct	gtcatccatc	catccatcca	ccatccatga	atccatccat	ccgtatatca
12421	atttctcatc	tatctctcca	tccatcccc	atccacctct	tcttccatcc	ttcctccttc
12481	ccttcaccca	tccattcatc	atccatccct	caacccatcc	atctgcctgt	ccatcggttt
12541	gattgtccat	ctgtccagta	ttctccatt	ccctccaaac	tgggtggcag	tactctccac
12601	ctcactacct	caccatcctt	attattccct	ccaaactgtc	tctttcacaa	gggccttctg
12661	tcctgcctgt	cccatcctgg	tctgggacct	atcccaactaa	agctacatgg	ctttgatcaa
12721	caatcccaat	cccagagtag	gggaagggaa	gtgagccct	aactgccgtg	atgtttccag
12781	ggagatgggt	gatactgctg	cattactaat	ccagatgtta	ggtttttaatt	tttctctcca
12841	gtagacccca	attgtggtag	gagaaaaatg	cccagcttt	ggacacaaac	agacctggat
12901	tcaaactctg	gttttgccaa	tttctgccta	aatgacttta	ggcaaactcc	ttgaccttga
12961	ccccttgagg	actcagtttc	ctcacctaga	aatggccaat	aatattattt	acctcccagg
13021	atggccatga	agcttaaaat	agattattgt	acccccaaaa	acaccgacac	aatgtttaga
13081	aataaataat	attatttttaa	gctttgaagt	ctggctgggt	tctcagcctc	gtctacctgc
13141	tgggtgtgca	gactcaaagc	cagggtccca	ccctcataga	ctgtcatctg	tgggtgtggg

FIGURE 2 (cont.'d)

13201	gttggcctgg	cactagcagg	tgctaagtct	cctcagagga	ttctaggtgt	aaaaggaaat
13261	gaaaatcttt	ggaccccaat	tcactctgcc	aaaagggaaa	aattaagctg	aaagctgagt
13321	gatgcaagaa	acgaagatag	ctacagataa	aaggtgaaaa	cctccacagg	tagctcttgg
13381	tgttcacctt	atcaagtgtc	gatgtactaa	gcgcaagagg	aatacataac	tgactattcc
13441	cctacctgct	ccttttcttt	tgcaacatgt	ggattcagta	acgtgaccat	gccctccctt
13501	tcttccttcc	agcctgttct	cctttaaata	ttgatgccct	ttaagacatc	ttcggaaaaa
13561	ggcacagtcc	accaactgtt	cctgtggatt	tgtgttcctt	ttttccgtgt	atgtcttttt
13621	ttttattatt	atactttaaa	ttctaggata	catgtgcaca	acgtgcagga	ttgttacata
13681	tgtatacatg	tgccatgttg	gtgtgctgca	cccattaact	cctaattagg	tatatctcct
13741	aatgctatcc	ctcccccttc	tccccacccc	atgacaggcc	ctgggtgtgtg	atgttcccc
13801	tcctgtgtcc	aagtgttctc	attgttcaat	tcccacctat	gagtgcagaac	atgcgggtgtt
13861	tggttttttg	tccttgccat	agtttgctga	gaataatggg	ttccagcttc	atccatgtcc
13921	ctgcaaagga	cattaactca	tcctttttta	tggctgcata	gtattccata	gtgcataatg
13981	gccacatttt	cttaatccag	tctatcgggtg	atggacattt	gggttggttc	caagtctttg
14041	ctatttgtgaa	tagtgccaca	ataaacatac	gtgtgcatgt	gtctttatag	cagcatgatt
14101	tataatcctt	tgggtatata	cccagataatg	ggatggctgg	gtcaaagtgt	atctctagtt
14161	ctagatcctt	gaggaatcgt	cacactgtct	tccacaatgg	ttgaactagt	ttacagtccc
14221	accaacagtg	taaaagtgtt	cctacttctc	cacatcctct	ccagcacctg	ttgtttccctg
14281	actttttaat	gattgccatt	ctaactgggtg	taagatggta	tctcattgtg	gttttgattt
14341	gcatttctct	gatggccagt	gatgatgagc	atttcttcat	gtgtctattg	gctgcataaa
14401	tgtcttcttt	tgagaagtgt	ctgctcatat	cctttgccca	ctttttgatg	gggttggttt
14461	tttcttgtaa	gtttgtttga	gtgttttgta	gattctggat	atcagccctt	tgtcagctga
14521	gtagattgca	aaattttttt	cccattctgt	aggttgccctg	ttcactctga	tggtagtttc
14581	ttttgctgtg	cagaagctct	ttagtttaat	tagatcccat	ttgtccattt	tggcttttgt
14641	tgccattgct	tttgggtgtt	tagacatgaa	gtccttgccc	atgcctatgt	cctgaatggg
14701	attgcctagg	ttttcttcta	gggtttttat	ggtttttaggt	ctaacattta	agtatttaat
14761	ccatcttgaa	ttaatttttg	tataaggtgt	aaggaaggga	tccagcttca	gctttctaca
14821	tatggctagc	cagtcttcac	ccggggctga	aggtaccgct	tnnnnnnnnn	nnnnnnnnnn
14881	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
14941	nnnnnnnnnn	nnnnnnnnnn	nacaattgaga	acacatggac	acgggttggg	ggggtatcac
15001	acactggggc	ctgttgggct	atggggggct	ggggagggat	agcattaggg	gaaataacct
15061	atgtagatga	cagggtgatg	ggtgcaacaa	accaccatgg	cacatgtata	tctatgtaac
15121	aaacctgcac	attctgcaca	tgtaccccag	aattttaaagt	ataataagaa	aaataaaaat
15181	aaataagtta	aaagagatta	aaaaaataaa	agagaacatt	tgccacattc	agtctttcta
15241	gatggaaaaga	ggttgctgac	atatgataga	attagaaaat	cacacatctt	gtaaatcttc
15301	atttgtttaa	aaagaaatca	tacaaattag	atgttttttg	gagatgactt	tttaaaatag
15361	agtcgttaga	tcacctctgt	aagggatatg	tctatatctg	ttcagtggtg	taggggacat
15421	ggatctggaa	agcctgagaa	gaaaagaag	gttctatacc	agacttggtg	tatttagaca
15481	ttttcatatt	ctatccattg	ttttgtgtgc	attttattcc	tcactattgt	atatatagtt
15541	gacaatgcta	aacttttttg	tgtattcttt	ctatgtgttc	cgaatgccta	atatatgtca
15601	aaattagcgg	tagtaaaata	atattttgta	aatatctttt	tgctaaaatt	catatgaaat
15661	gttggttttg	gaggggaatg	gccaaactac	ctggttagta	atactcatcg	tggttggtgc
15721	ctggttcagg	ggaggaggaa	ggaggggaaa	gtgcagagag	ctctatgccg	ctgtgtttac
15781	agtgaggcaa	gattaaccat	tatctcttat	gtctgtgcat	tttggtttac	ttatctgttt
15841	atgtagtgta	tataaaggac	aaacgagtcc	taatttacaa	catctagtct	ttttagatgt
15901	taaagagggt	gccagtgtat	aacaaaagta	gagttagtaa	actaatatat	tttgtatatt
15961	ttgtttttaa	attcctagga	aagattgtct	tcctatcttt	gagcattctt	gcgcactgag
16021	ttgatggaga	tgggagggat	tctaagctag	gatgttctta	tttggaagac	tctttcaaat
16081	tataactatg	gttacatgta	tgcagtttat	tcgagactgc	tgtgtatata	gtggacaaat
16141	taactcctta	cttgaaacac	ctagtttatc	tagatgttta	gaagtgcctg	atgtacgtta
16201	aatgtagagg	taataaaaata	ccactttgta	aatatctttt	tgctaaaatt	cataggaaat
16261	actgtctttt	agaaatttta	ttgttaagcc	acctttgtga	gcagtatagt	actgtctata
16321	cttggttcaat	ggtttagagg	aggtgggagg	gaagaaaaat	atgtgactga	cttatttcac
16381	taagcctaata	gtctttaagt	ttcattcatg	ttgtggcatg	tgtcagaatt	tccttccctt
16441	ttaaagctga	ataatattgc	attgtataga	tatattacct	tttattttatc	catttatcca

FIGURE 2 (cont.'d)

16501 tcaatagaaa cttggggttgcc ttccatattt tagctatcat gaatattgct gccatcaaca
16561 tgttgagttc ctgtattcaa ctctttgggt aatacccaga agtgaaattg ctgaataagt
16621 atggtaattc tctgttaaatt ttttgaggag ctgctgattc atacttttac gtataaaaata
16681 ttagacctta aatgtattat gtaaaaacac taagtatttt taacattcta gagtaaagaa
16741 ggtgtttctt agcaagacag aaaagctgaa accctcaata gaaaagcctt gttaattgta
16801 tcacataaaa tattcaaaat ttctgaacac acagacacac acgcactaac gaaaagctat
16861 ttacaacttg tggtagatga agaaataatt tcttaacata gcaagaaccc aggcaaatga
16921 ttaagaaaaa gaataatcat acaaatttaa tacatgtgag aagctgttca gcctttccca
16981 ttaattaaag aagtaaaaata taaaacaaaa catataattt ttcacttagc agagatgaaa
17041 taccaaaaaca gatgggtata ggtgtggaac atacttcctt ggttgacagt tagccaatat
17101 ctattaaaaat cccttgccac agtaatttca gttctagaca tttgtcttat attactgtat
17161 ttattctgtc ctgtaaccat aaattccaca gctgcctagt gatggttcta tatttaaagt
17221 gaatgcttac tctcagtatt gttttttctt ttgagatgga gtcttgttct gttgccaggc
17281 tggagtgcag tgccatgac tcagctcact gcaacctoca cctcccagggt tcaagtgatt
17341 ctccctgcctc agcctcccga gtagctagga ctacagggtg gcaccaaccac gccagctaa
17401 tttttgtatt ttttagtagag atggagtttc acctgtgttg ccagtatggt ctcgatctct
17461 tgacctcatg atctgccac cttggcctcc caaagtgtg tgattacagg tgtgagccac
17521 gacaccagc cagtattttt ttttttaaac cacagcttct tcattttgag tcatctctaa
17581 atagctgcaa tttactataa cttagggttt acaattttta aaattgtgta tgttaaggta
17641 tccacatgat gtttgatata cttcttttga cataaatata cacaatgaag tgattactac
17701 agccaaataa tgattaccat acccatcatt gctagcgttt agaaagacaa ctgattttta
17761 tgtgctgata ttgtaccctg caaccttact gaatttacta aatctagtag ttttttggtg
17821 catcctttgg gattttctat taacagaatc atgccttctg caaatgtaag taatttagct
17881 gcttcttttt aaatatgtat gcctcttatg tctttttctt ggctatgttc ttttctctgg
17941 ctagaacttc tagtacaatg tccagtgtca gtgttgaaaa tgggcatcct tgtgtgttc
18001 ctgatttttag gagtaaagct tacagttttt ctaccctga gtatgatttt agttgtgaga
18061 ttttcctata tgccctttat catgctaaga aagttccctt ttatttttagt ttgctgattt
18121 tttaaaaatta tgaaagggca ttttaatttta tcaaataact ttttctgtgt ctgttgagag
18181 tttggccatt tttttctat tgaaatggtg tattatggta gctgattttt ggatgtgaaa
18241 ccaaccttgt gtccttgga taaatcccat gtaatcatgg tgtataattc tttctatgta
18301 ttgctggatt tggtttgcta gtatttttgt gggaactttt gtgcccataa gataagaggt
18361 attgatctat ggttttcttt tccgtgtatg tctttatttg gtttttgtgt caggaaata
18421 gtggcttcat aaaatgttca agaagtgtac cctcctcatc tttttgttg aagagtgtga
18481 aaaattggta ttatcaaatg ttttagtaga ttcaccagtg aagccatttg cttttctttt
18541 tgggtagttt ttgattactg attcattctc ttaatttgtt ttaggctctat tcagattgtc
18601 tgtttcttct tgagtcagtc ttggtagttg tgtctttctt gaaatttttt catttcactt
18661 aaattatctt atttgtcagt gtacaattat ttttggtatt cttttataat cttttttatt
18721 tctttaatgt cagtagtaat gtctcttctt ttattttctga ttctatagtt tgagttttct
18781 ctctctttc cctgatgaaa ctgaagtttt ttccatttta ttgatttttt tcaaacgatc
18841 aaattatttc attaatgtgt tctgttatca ttatttctt ccttctgctt acttaaat
18901 agtttcatat tttttgtaag tgtcttaagg tagaatttta agttattgat ttaagaactt
18961 tcttaataca agtgtttaca gctgttgata ttaacttaat tacttcttta gctgcatcac
19021 aattgttttg gtatgttgct ttcattatta ttctgtctaaa aatattatct aatttctgtc
19081 ttgatttctt ctttgactca tgaattgttt tagagtggaa atttcatttt aaatttccaa
19141 atatttgatga atttcccaaa tttccctgtg tgttgatttc taattttatt ccattgtggt
19201 taataacata ctttgcatca tttctatctt tcaaatttat tgagggtgtg tttatggcct
19261 aatatgtggt ctatcttcta gaatgttcca tgctcacttg acatgaatgt atactttgtt
19321 gttgttgta agtagaatgt tccatagtc ttgaggtcta tttggtttgt agtattgtc
19381 aagtcctctt tttccttgtt gatcogtcca gttgttctat ccatttttga acgtgtagta
19441 ttgaagtcct tgactatttc tgttgactcg gttgacttgt ctatttcttt cttttctcag
19501 gtctgttttt gtttcattta ttttggtgct tcatatata aggtgcata atgttgataa
19561 cagttatata ttctaatgg atggattcct ttgtaattac aaaaggccac tctatctcta
19621 gtaacaattt ttgttttaaa gtctatttgt ctgatatcag tgtactgact ccagtgtttt
19681 tgtgggtgct gtttgcataa tatatttttc ctgttctttt actttcattc tgtgtcttcg
19741 aatcaaaatt gtgttttctc cagacaatat atacttcatg ttttcttatc caataataca

FIGURE 2 (cont.'d)

19801	cctttgcctt	ttgattgcat	tgttttattcc	attcacactg	catattatta	tttagtggga
19861	tttatgtctg	tcatttttagt	tcttttttgt	ttttgttttg	agacagaatc	ttgctctgtc
19921	acccaggccg	gagtgcagtg	gcgtgatctc	ggctcactgc	aagctccaac	tcccgggttc
19981	aggccattct	cttgccctcag	cctcccaagt	agctgggact	acaggtgccc	accaccactc
20041	gtggctaatt	ttttgtattt	ttagtggaga	ctgggtttca	cctgtttagc	caagatggtc
20101	tcgactctct	gacctcgtga	tctgcccacc	tcggcctccc	aaagtgttgg	gattacaggc
20161	atgagccacc	gcacgcccg	attttttgtt	ttttatatgt	atcatgtctt	tggtgttctt
20221	gttttgtctt	tacttctttc	tatttctattg	aattaatatt	ttctaataata	gtatttaagt
20281	tttattaata	attttatcac	tgtattttta	tttttagtgg	tttctctagg	attttctgta
20341	tatatcttat	cagtatgagt	ttcagattca	cactagctta	attccaagtaa	tatgtagaaa
20401	tgttactcat	gtagaactta	attctcttgc	tcttttgtgg	ttatttttatt	tatattatat
20461	caattaatgt	tacaaagata	tacattgttt	aaattattat	tggtgctatt	attagcatac
20521	ataacaccca	catattaaaa	ttgtatatat	tgcatatatg	tattatagaa	ttgtatatat
20581	tatagggccca	atagtatat	gtatacatgt	tattttatat	aattgttttt	aaaatgagtt
20641	aagaaaaaag	aaaaatgcat	ttctactgtc	tattatagaa	aaataattac	atcatactga
20701	acgtcttcac	cnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
20761	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	ngctctaata
20821	aatttgccggc	cgctaatacg	actcactata	gggagaggat	ccgcggaatt	cctaaaagaa
20881	ttgctgagac	aaagtatatg	tgcccttgtc	atcctgaggg	cagttgtcat	cctgtggagg
20941	tttaccattt	gctctcccac	cagcaatgta	taagcatacc	tgcttcccaa	cacttccgcc
21001	aacacatatt	atttgattaa	ttttcttggc	tgataatggg	atctcattgt	agttttaatt
21061	tgtatttctc	attgtgagag	aaatgaagca	tcttttcatg	ttttgagagc	catctgtgca
21121	tcttttccca	ttgtttctgt	taagtcattg	atttgcagta	ctgtaatttg	tgatgagttg
21181	taaacatgag	ctcttctggc	ctcttaacca	tccttatcca	gcctgtcttc	acgttctctc
21241	ttgcctaaaa	acaagctcac	tcaaacagat	cattcctgtg	gccctctccc	ttttgaaata
21301	aatcagatgg	gcaaatttgc	ttttgttagg	ggcctgagac	ccaaatgttt	aaaagtagct
21361	tagctgatga	gtgaaaagga	ggcccagttg	ggggttgcac	agaaaatgag	gggcgtgggt
21421	aatagaggag	gctgggcagt	aacctggcag	aaggcgccag	aggccaagga	aggtgcgctg
21481	gtgtcctgca	gtgagaagga	tgtgtgcact	atcaactggg	taaacacact	gctatagctg
21541	ctccagcgac	agcaggcact	ctcagaaggg	aactgagaaa	aggggaatgc	cagtttctgc
21601	caaggatata	tggaaaagtt	ttttttcccc	gtagtctctt	tggcaacctt	gttaaaatca
21661	tttaaatgg	tgaatttgat	aacaaagcca	gccactaaaa	gacttggatg	tagcaaaaca
21721	aattgtcaaa	aagtatttat	catttctaag	aaataaaaata	aactgggatt	taggcttgga
21781	tagaaatcca	gaggtttgtt	ttggcataat	taattacaac	atctgaagaa	gggaggattt
21841	ttacaagaat	tttttttttt	gtagtgaat	tgctttatat	tccttttcat	gactggagag
21901	tctgtcattt	ggcaaccgcg	aaagaacttc	aggaacagag	ggcctaagtt	ttcttgacac
21961	atttggattt	ttgcatgatg	aacatttgca	cttttattag	taattgtcga	gtcgtgtgtg
22021	gtctgatcct	atggagagga	gagtgtaggt	gtnttctctg	gagctagtac	ntgccccogn
22081	gctcacacgt	gccacactgc	ctgctgcttt	cangaaagag	caggacggct	ggtcctgtcc
22141	catctagtga	ggtcctgtcc	catctagtaa	ggttctgtcc	tcagagctcc	taagagggga
22201	ttgctggcct	ttgattacac	tggcttccag	aatctgacca	tggaaaccatt	atttgaagct
22261	gtcagcttca	ttttgttgtt	gatcaggcca	gtcttttagg	tccttgttgg	ttgatagatt
22321	tctctcaggt	ctatagcagc	aacaaataaa	gctctttaaa	attattttct	tgaccattct
22381	gcctatggat	tggttctgac	ctttgaaatg	tttgctgtcc	tttagatcgt	gacagaagga
22441	gcctcttctg	ggagctgtga	agaccccaca	gatctcactg	gttttcttgc	ttttattgga
22501	agagtttagca	tttgttgaag	tttatattta	tgtaaaataa	caataagtag	attttaaaat
22561	ttttctttta	attctgtgat	ctaataagaa	gagagactct	ttctctgtca	ttgggaggct
22621	tgatgaggat	cggacatacc	tgctgagagt	atcctgtaat	gttttcataa	gatttggaaat
22681	ggtgaaatga	gagcagaaat	gtaggcagag	gatgccaacg	ctgtttccta	tttctaagt
22741	aaaactgagc	agggcagaat	ctccccagcc	ctgccagaac	tccttctctc	cttgggtcog
22801	ctgtcaactgt	catgctggcc	ttgacatctg	ctacaagtgc	acacacatgg	ggaaccacac
22861	aggggaagtga	acacatgtcc	tgacgtgtgt	gtgtgcctgg	tgtggctgct	tccttgatcc
22921	aggctttgtt	ttgttacgag	gctctgcctt	cctaccttca	ggccttgtct	ctcatcatgg
22981	gcatgcaagg	atggaatcgt	taccccagag	tacacttttt	gacttggatt	acttgtagtt
23041	tagtactgga	gttcagaact	ttaatttccc	atcagaaacc	tgcttcccg	accagagaca

FIGURE 2 (cont.'d)

23101 ctgaccttga ttgggcacga tttccagat aagaccttac ctcccccac cagggtttgc
23161 cttcccttca gaatacagga aagtacacgt ggttccaaga ggaccatgct cttactaaga
23221 taaaagggag gaggggtgact aggtactttc ctctgctgcc atcccttgaa ggaagggggc
23281 ttcccttcaat gcctcatcag ttccaggag tatgcttgac ccagcaacac agaggaagaa
23341 gtgacctcat agcaatgagg ggcaagcatg tggatattgc tgggtatttc ttccctcaag
23401 tctacctggg gacaggtgat gaagacgctt acttctctgc aatacacctg gatcaggctt
23461 tgggtcttcat gacacatttt agccttgctt atgtgtgttg aacagagctg gtcactctca
23521 gaaataaaag aagagagcaa taagtacagg aaggctttca gtcccagaat agtggttagga
23581 ctaaagtgtca gagaacaggg ggactgtagg agtttgggga ccttagcatg gataccctct
23641 caatctgctc ccctgtggta taaacagtaa agccattgt actaaaaggc cttgagtgtc
23701 tgtctctggg gcagggtggag ccagtgtagg gtgccccgag aggaggatgc tggagagggg
23761 acagtgtcta aggcagttgg agaaaaagga caatggctta tgcagtcagg cctagaagat
23821 gcaagggatg tcacagcata gtgtccacag gcatccctag atgtctttca tttgtttca
23881 ggaagaatat tgacaaaggt agtgatggga gggttatttc aaggatgcta ttttcatgtg
23941 tccaagttaa ctttaagattc ctaagaactt tgacctctaa tgcttttaaa gaccgtgtac
24001 ctcatgccca tatgcacatt cagttagaaa ataaatgtag attctttggt gaattcgaag
24061 atgtgctcat ggagtggcac agcgtgatct cagtgtacac atgaagcatg ctgatgagag
24121 cttcttggat cttgtttctt cagggtggact tgcattaaag tgctgttgaa tctctgcaat
24181 gggagtggga gcagccatgc gatgggtgcc ttaatccgag tgccatcctg gctctctcca
24241 ggctgcttca tttgctgtga ggggtagggg gaggaggagt ttccaggcaa tggccttatc
24301 tgttctgggtg gttgaccaag ggtcgggggt cccaaagggt gagttccagg atgagagtgc
24361 acccttgggg atggtactta gaaagagtgg ggactaggcc tcagccaggg aatggtgggc
24421 cagggtggag ctcccttcta tcaaggagtt agggccaagg gccatgcagg tgggcctgca
24481 gaaggtgggt ggtgatattg cctttctggt gataacagac tcgtggcact gttttcctgg
24541 ggctgttggg gttgcatgga gcagattctt actcaggctt actgtcttaa ggagggaaga
24601 atgctttttt atgaatacgc ataggtctgt ggggtctgtg agcctgggga atccgaggct
24661 ggcgtgggag tctggggccc tctagcgggt gtggtgcac ctcagctcag tgccactcac
24721 tgtccctatt tctctctgtc catttctctc ctcaactgcag tgcttctctc ccttctctga
24781 tttttttctc taagtttgac tattcaccac ccagagact ctgttctatc ccagacctc
24841 ttgctgtact ttctttcaaa tctaaatttt cttgattatt tttcttaatt tacagtttca
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24961 ggtgtccccc atggtgacgt ggtctggact cccttttgtg tgaagagctg tggcagggca
25021 gtgaggtttt gtggaactca gggagcatct ggcaactatg atgaggttgt gaggtgggag
25081 agagctctta aatctaccag ccttgttgat cttgggaact aggagagagt gctaggggag
25141 ccagtgccag caggcctgga gcctcatatt tctttggcat ttgtatgata ccttctagta
25201 cttcggtttt tgacttatat atgaactaac tcaatttaga tgcttagaaa ataaacggcc
25261 actggacctg caagagatta gtagtggtgt tccatagcct tagacatttc ttacactttt
25321 atccacagat aagaaaaaaa tagtgatatt tgatttgttt tgccaaggct tagaaggatc
25381 taatatgtgt tactcgttga gcagcgggaa gcagcagaca tttctagggt ttctccctgt
25441 caccattcag gagacagtgc acacaatccc cttggctctt acctgaacac tgaccacagg
25501 tctgtcattg caggctggga gtccctccgtc agcatcagct ccggctccgg tgtcctcctt
25561 ctctcgcact tctatcacgc catccagcca ggacatctgc aggttaacact ctgcttcaga
25621 tgctgccatg atcagtgtgc agccagaaat aagcattagt gtctgtagggt tcttgaattt
25681 ccatttgctt aatcaatctg cctttggtct aaacagttgg cgagttttat gtgtggtttg
25741 ctcaccaagt taccatgct agtctcattt cttcactatg atgtctatto tcttttaaaa
25801 ttgtttttac tttctgtgct tttatccac tgttctgcat gcagttccag tgcagtgttt
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25921 cagagttctc tgacacaagg gctcactgtg acagttatct gtaaggacac attacaggcg
25981 tcaaagagaa attcctttgg ttcagaatgg gccaggcct tgaagcctgc taagaatacc
26041 aaagccagaa gaacactaaa gttctcaagg tccctcaatg atgtgggtga gaaggcgcag
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26161 cctcaagata cgtgtctcag aactaacagg tttcatcata aagaaaaaag aacctgaac
26221 cacaacctc ttggcaattc caaacattct tgtgtttcat gcctttctgc cggctcgtca
26281 actgcctcag aggtggaagc tggcaagggg ggcaaggccc gcctgctgct ggaagagaag
26341 gcggatggtg aggccacgct ccgaagccgg caactgctcc agtacctgtt ctcaactctg

FIGURE 2 (cont.'d)

26401	cacggccttga	gcgccagcag	cctgcacagg	ttccatgagc	tggagagctg	cgctgctcgc
26461	ctgcacactg	ccaagtccctc	cagcgggctg	gcagggagta	tgggcttctg	ctctgacgag
26521	atgggagacg	acgatgtctt	tgaggacagc	acatctgcaa	aactgaagag	taggggtctg
26581	cgggcgcccc	tctgctccac	ggaaaaggac	agcgacctgg	attgtccttc	tcccttctct
26641	gaaaaattac	cccccatatc	tcccggtgcc	acgtcagggg	atgtctgcag	gttggtttgc
26701	caggaagtgc	cattctagcc	atctctgtct	gcacagga	cctcctcttg	ctttagtatg
26761	tgaagtttca	ggaaaatgaa	gtaaatggaa	gttgtaacca	gttggtgggt	gatggtttct
26821	tccagaagaa	tggagtatca	atctgtttg	aaaaacttaa	tttttatgat	gtgagtccca
26881	agatagtttt	acaaatgata	aaagagggaag	aagctggctg	ggcgagtggt	ctcacgcctg
26941	taatcccagc	actttgggag	gctgaggcgg	gtggatcacc	tgaggtcagg	agtttgagac
27001	cagcttggcc	aacgtggcga	aaccccgctc	ctactaaaaa	tacaaaaatt	agccgggctg
27061	ggtggcgggc	gcctgtaatc	ccagctactc	aggaggctga	ggcaggagaa	ttgcttgaac
27121	ccgggaggcg	gaggttgacg	tgagccaaga	ttgcgccatt	gcactccagc	ctgggcaaca
27181	agagtgaac	tctgtctaaa	aaaaaacaaa	acaaaacaaa	aaaaaaaaga	ggaagaagct
27241	acacatatta	aaggccaagc	tgactcttct	aaactaaaaa	taagtagact	ttgcataaag
27301	aaactggaag	aaagaaacta	gtatcttcag	ttttccagcc	tgatggtcca	gattttaagc
27361	attgttgcac	ctcccagcct	cttttttaac	ccttgcctcc	tacctacccc	caaaagggtg
27421	gtggggactg	gctgttctcc	agtagctcct	tccttccttc	tttttaactg	aggtgtagcc
27481	acctatgtcc	catcctaact	ctgtttcccc	cctttatctt	cccttggtga	gcacccctgt
27541	ctggcctcca	taattcactt	tttgtcatga	ctcttggtgc	ctcctcattc	tgacctttct
27601	ccagtctccg	ctccttagtg	ccagctgtca	tcatttctaa	catttggatc	agagatcccc
27661	tcactaaaaa	agcctgagag	cctggctcct	tccaggacga	gtgccccaac	ctgttctcta
27721	gctgctggaa	aagacccctc	tggttcttaa	aagcctgtta	agttccttca	ggctagtagc
27781	tacaccttgt	tgcatacttc	ccttggaata	gagagtgtct	tcaaattaat	ttctcactta
27841	ttgctattag	tgggtcccaag	aaaaagagat	gaaattgcag	catcttgtaa	tgggtgagtt
27901	tttaggtcta	ggagagaggt	actgtcatct	ttgtttactt	gctgagagac	gacagaaatg
27961	tgtagtgtgt	gggtatgaag	gtaaagtcag	tgattatagc	taaaaagcaa	acgtcattta
28021	aggtcactgg	tatttttggg	tggttgaatg	cagcgcttac	catccataca	agaacccgct
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28141	gctggagcgg	gcggagaccc	acgcgcgcgc	caatgtcccg	gcgcgcgggc	tgctacacca
28201	gggcagcggc	gtagtgcggg	ggggcacaa	cccagccgcg	ccggggcggc	gcgcggagaa
28261	ggagcgcaga	ccccgtgaac	acgcgcggag	accgtccgcg	cggcccgctg	cgccactgcc
28321	tactgccagg	ggcgcgcggt	gacgacaaaa	ccctcggtgc	gcccgcgcctg	gcagtcgcgc
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28441	ggcgcgtggc	cccgggcgct	gaccactatc	attctccgcc	acacggacga	aggcaggagc
28501	accacgggcg	gcccgcgggc	cgcccgcctg	ggccaaagag	cccgcgccgc	agcggannnn
28561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
28621	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnngag	ccgggcgagc	gcaggcgggc
28681	ggagagcaga	ccacgcggaa	gagcccgaga	gagaaaagcg	ggcaccgcgc	cgggggggtc
28741	atttacaagg	gacgctgggc	acgaaggagg	ctggggcgaa	gatgagtcca	ggggttgggt
28801	tgagagcgct	gcgcagccgg	gctgagaaga	gaagctgacg	agtgactccc	gacaagggac
28861	gggggagagg	gaacctgggg	gcaggcagag	gcctaggggg	tgggctctga	gggcagccac
28921	tcccaccggc	cctccccag	ccccgcaggc	cagccacatg	ccccgtgctc	cagacgaccc
28981	agctacatgg	atggcagcgt	cctgaagggg	gatgatcggt	agggagtggg	tgcgagggct
29041	cacgcctgta	atcccagtg	tccgggattc	ccgagcggga	ggatcgcttg	agcgggggag
29101	gtggaagctg	cagtgatctg	cgccactgaa	ctcccgcctg	ggcggcagag	tgagaccctg
29161	tttcaaaagg	caccagggtg	gtagggaagg	agcgatatcc	cccaggcaag	gaaggctgcg
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29341	gtgatggcgg	aggaaagaga	ggccgggaaga	ggagggggcc	tgctggcctg	gcactggaaa
29401	gcaaagcgtg	ggtttgtata	tgggaagaag	accacatccc	ctcttatcgt	catcccaact
29461	cagaaacat	ttggccccaa	gtcaccaaa	cactcatagg	aaccactttt	cctgtgacac
29521	aagtaggatt	ctccactttt	taacttccca	aatgtacccc	gaaagcctct	gaaatccttg
29581	gaaatttttaa	aaataatccc	cttctattaa	ctgatgccta	taaaacatat	tgactttcat
29641	taaattttgt	tatgaaatca	gggatgtgtc	ccattgtaaa	ataaatttgt	ttggaaaatg

FIGURE 2 (cont.'d)

29701	taggggtgga	tcccatctaa	aatcagacg	aggctagaaa	atttcaattt	tatttgctaa
29761	ggtagcatca	tgttggttaa	aatgcatcat	aaaataagac	caagagttaa	tacaaagcat
29821	gaagtcattg	ttccctcaaa	aaaatgattt	gttctgtagt	caaattaatt	tggaaaacat
29881	tgcaaaactc	tcagcagtg	ttctcaaaag	atagcttgcg	tcagaatccc	ctggggccct
29941	tgctaaaatc	tggatggcta	cactccccgc	ctagagtggg	ttaaactcag	tgccccactg
30001	caggaaaact	aaacttggct	gaagtcaccg	aggaggcctt	ccccgttaaa	cctctggctg
30061	gcgacagctt	ggtttccctg	ccgctgcttc	tgagtaattc	tggcacgcag	ttcctcctag
30121	ccacctgctg	tacctggaag	ggggccagcc	ctcctcagca	ggctttgctc	ctgcccctga
30181	cagcacaact	gtggcgtaaa	aaatggaaaa	gctggtagca	gaaggaaaag	gcaggggagc
30241	agagggttag	tgaacctcaa	tggcctcatt	aaagcaaatt	gagaaaagag	gtttccttcc
30301	cagtgaggcg	ggacagtgc	gaaatgcggc	ccgtcctggg	agaagttagg	gcgagggggt
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30421	ggagaaagct	gaagatgcag	gagaaagcta	ggcactgcc	cctaggccag	gtgatcaagg
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30541	ccttcttttt	acaaaagcgg	gtcttcgaag	ccctgaatat	tccagttatc	tgtaaaggata
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30661	acatctgtgg	cttcttctga	gaactaccag	acccaccctg	ttttcagagt	aaacctcctg
30721	ttttgaggtc	aaacagaccc	agctgggtaa	ttggtgactc	actcctggtt	cctccaaaga
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30961	tttacccttc	cagcttgaca	agcatttcta	gccagaaca	ctcagctgac	gaggggtgct
31021	gggggaggaa	ggaggcagca	aggctgaaag	aagcttctct	gggtattcca	gtgctggct
31081	gctgggtcgt	gccatgggtg	gaccacagca	gcctccctgg	aagcaagcac	ctgtgtaaaa
31141	gccccctctt	ccccacaagg	ggctggatcc	aagtgaagaa	ggtaccagaa	ggactggaag
31201	atgatgctgg	tattattoga	cagctccagg	gtgctgtagc	actgagcacc	tactgtatgc
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31321	ccctctcggt	cacctgcagg	ctccttggtc	atcctgacac	atgaggagaa	aaagacagta
31381	ctcacaaaag	cctctagcct	tgtggcccca	ggaccctctc	ctgagcatca	tggcctccta
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31501	aggggattgc	tgttctgcct	ggatgcaccc	ctagacctgg	cagggcaggc	aggagagacc
31561	cccagtgtct	cttgcttata	ctagagtttc	ccccctgtgg	ttgctccagt	ttgctgcctt
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31801	cccagccatg	ctccacctga	gaagtgggtc	caggcagagc	actgggtcct	ggccacctag
31861	ggctgcctcc	tcaggggtgg	gcaggaagg	gagccactgg	aggagtgcc	cgggcacagt
31921	cccctgcacc	aggtgaggtc	acctcttagt	ccatgaggcg	atgctgcagt	agccccctctg
31981	gacactagaa	ggcctgggct	caatgctgag	taaagtgcag	gcatgactgt	gccctcagca
32041	tgcatagggc	agcaggcata	gattcataca	cgtgagtttg	cacttaagct	gcagtaagag
32101	ctacagagga	aatgaacaga	gacagcatca	ctccagttag	ccctccagat	acaccccatg
32161	tgcgcagtaa	gagaatggca	tagtctattg	ggacagccac	atcaaaatac	cacagaccag
32221	atggcttaaa	cggcagatat	ttgtctctca	caggtccgga	ggctagaagt	ccaagattag
32281	ggtgccagcc	aatccacttg	ctggtagagg	ccctcttccc	agcttgacag	tgtctctgtg
32341	ttcccacagc	atggtcacgt	ggcagagaga	gggggacagg	gcatgaataa	gccctcggtg
32401	ccttccctct	cttacgagga	tgctaattccc	atcacgggta	ccccaccctc	gtgacctcgt
32461	ctaaccctaa	tcacctccca	aaggccccat	ctcctaattg	catcacactg	ggggtcaggg
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32581	agcattccag	cctgaaggaa	acagatgtgc	aaaggcccaa	ggcaaaggcc	tgagctctga
32641	ggggcaacca	gagtcaaggc	tgaagagtgg	gcagtgattg	agcactgacg	gtggagaggc
32701	aacaggctat	cttggttaatc	tcagtctttt	gtgtgccaga	gagagaaact	gaggcacagt
32761	gtgtcatggt	gaacactggg	cagcactccc	acgctcctgt	cctgcactct	gcagggttat
32821	ggaggaagcc	tgggaagtct	ctcccctctt	ttccaccttt	cctggaccca	tcccacaccc
32881	tgcctcctcc	aggaagccct	ggggattgct	catacactca	catctcactc	cttagtacct
32941	gcagcctgca	ttctgaattt	agcaagctct	ggccttggtg	ttctattttc	ttgtcctgtg

FIGURE 2 (cont.'d)

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33001 cagtgcagcat ttggaaactt ctctcagca ccaaacacgg agccatttag cagaaaatac
33061 atgagttttc aagtcaattg aactgttcat cgccccaaaa gccaggcaac acggtagagc
33121 agctggatct ctgttcgtag aagctttctc agggactggc ccaccgagtg ggggactgca
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33361 tggagggggc ggggggttgg aggaccctg agagcttggg gtgaaggggc tctgcagagg
33421 gaggcattgg tagtgtgcgc aagggtacct ctctcctggg ctgcaggatg gagaacctgt
33481 tcatcaaccg cttcatgcac atgttccagt cttcttggaa tgacttcgcc gactttgaga
33541 aaatctttgt caagatcagc aacactatth ctggtgagtg tgctctggg ggcccaagt
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33781 tcagatattc aagctcgagc accctcaacc tcatttcaat atcaaaagtc tcaaaagtat
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34081 aactgcccc agggactctc ctccacgccc tccttcttcc atcctggaca ctccatgctg
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34501 cacggagatg gtagagtga gctggagcg gcagctcagc ttggagcagg aggtccaggt
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34621 tcctggccag tgctcatagg ccaccaagac gctaaactga ggcccatctg gcctacagca
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34741 tgtgcaacat cagaggagga attgcgggga atgtttctcc atgatgctcg agtctgggaa
34801 cataatgtca atattttcac tatcagtatc aataattaca ggagctaccc ttgattaggg
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35581 ttgatttggg ggctataggt ttcaaaactt aagtcagaga tcatagaact ttaagccata
35641 tagaatccta gaattggaag actctgagca gccatctctg caccagcag ccaaggagt
35701 gccatcctca gcacctggca gggcatcagc ctcccatgg gagtcccggc cacctccagg
35761 gcacgtgggt tatgagtcac ctttcttttg agctgacca cccctcactg actagactct
35821 taaacacaca ctgccccgtc taatacacac cagcatgatt cttaatcccc acagtcattc
35881 acgctgcccc tctggcagca cttaatgat ctacagcaag cttgtggcct actaaaaacg
35941 cctccattgt tttttaaaat gtgcagttat tttccggatc atgaatagag aaattgtatc
36001 cctgttgggt gtattgattc agtgttccag ctcaagtttg agttcttaga ctttatattt
36061 ggattctttg gtttcaaate acaaaaatca actccatctg gtttaatcca agaactctat
36121 tggctcaggc aacagtaaaa agcaatgcta actcatttgg gaccagggct cagatcatcc
36181 cctgcactgt ctctctctcg ctccatgtct caatcctctg cctctggtga ttttttctt
36241 aggaggggtt ccttatgtgg aggtaaaaaa tgatcaccgg cagcttcaga tttaccttcc

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FIGURE 2 (cont.'d)

36301	accagcttag	caaacaccac	ccactcccag	caagaaagac	cctgtttccc	aatgctccca
36361	gcagatgtct	taggcoatec	tcgggcctca	ctgattctgt	gagccagtgc	ccacggccag
36421	gagaatggaa	tacactgacc	tagaggggac	agggactcta	gacaggcaaa	aactccactg
36481	tcagaagcag	aatcctaata	tgtcagaact	gaaaggtagg	cccggccctc	gttttccaga
36541	aatatgaaag	ggaggcttgg	gataacagag	aaatgctgca	ggcattggcc	ccaaatctca
36601	ggcctcctat	tcccagtatc	accttcacca	gcctgggtgg	tctcaagatt	ggattagcag
36661	ccattccttc	tgggtagagt	ctgatggtca	cttcagctct	caaagtccag	ctatccagcc
36721	atagtccctag	aaggcaagac	atcactgtgc	ccgaccaacc	caaggggtctc	cacctgcccc
36781	cctcaacaca	aggtgcocctg	agtgcctccg	cggggatagt	ccccgtcccc	acccctgctt
36841	cccccgccca	tgcgcacaga	tgctcagagc	tcatccctgg	tgtcacacca	cataaaggag
36901	gagggcggtg	gccaggctcc	gagctcctgc	cgtcctgggt	gggtggcttc	tgctcctgct
36961	gccgcgcggc	agcccggggg	tcctgcgcgc	gggcgcgggc	ggtggagctg	caggggggag
37021	ctctgggatg	tctccaggga	gagtataatc	tgacccctcc	gcagccggga	ccctcaccct
37081	ttccttcctc	actcaggaaa	cagaaaaggc	ttcagaagga	goggccatgc	ccccggccta
37141	agcgtctgct	tcccggccca	gcaggccctac	cctgcacctg	gogttcctag	gggcccctct
37201	gcgggaccca	ctgcgcgggt	cgcagcggcc	gcccgcctcc	cacttcaccg	gcagcctcgt
37261	tgctgtctga	ggtgtgttga	ctcctacagc	aaagggcagc	gatccgcggg	tcagcaagcc
37321	cgacgaattt	acaccaatga	cccgcctgtg	cgccagtctc	agaccagggc	acaacacgcc
37381	aaccctgcag	accaccccc	cctccccagc	cactgcagac	ccttccccct	ctgcttctgc
37441	agcacctgtc	ccgaaacacg	ctcattcccg	cccccgaga	ccttccctac	ctcctggaga
37501	ccccctcaa	cccctgtaga	gtcccctgcc	cgtgcagaat	ccccctcccc	ttcccccgca
37561	gccccctac	cccacccggc	ggacagcccc	gctcgtctcc	tggtcttctc	ccaagggaga
37621	cccctgtcct	ggctctgact	ggggttgagt	tcgccagttt	tgacttatgt	gtagagtctt
37681	caccacgggc	tggaagtaag	gtnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
37741	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
37801	nngagcgtac	ttcagcccg	gtgaagattc	cttacacctt	atacaaaaat	taattcaagt
37861	tggattaaag	acttacatgt	cagacctaata	accataaaaat	ccttagaaga	aaacctaggc
37921	aataccattc	aggacatagg	catgggcaag	gacttcatgt	ctgaaacacc	aaaagcaatg
37981	ggaacaaaag	ccaaaataga	caaattggat	ctaattaaac	ttaaagagctt	ctgcacagca
38041	aaagaaaacta	ccatcagagt	gaacaggcaa	cccacagaat	gggagaaaat	ttttgcacct
38101	actcatctga	caaagggcta	atatccagaa	tctacaatga	actcaaacaa	atttacaagc
38161	aaaaaaca	caaccccatc	aaaaagtagg	caaaggatat	gaacagacac	ttctcaaaag
38221	aagacattta	tgacgcaaaa	aaacacatga	aaaaatgctc	atcatcactg	gccatcagag
38281	aaatgcaaat	caaaaccaca	gtgagatgcc	atctcacacc	agttagaatg	gcgatcatta
38341	aaaagtcagg	aaacaacagg	tgctggagag	gatgtggaga	aataggaaca	cttttacct
38401	gttggtggga	ctgtaaaacta	gttcaaccat	tggtgaagtc	agtgtggcaa	ttcctcaagg
38461	atctagaact	agaaataacca	tttgaccag	caatcccatt	actgggtata	taccacaaag
38521	actataaact	atgctgctat	aaagacacat	gcacacgtag	gtttattgtg	gcactattcc
38581	caagagcaaa	gacttggaac	caacccaaat	ttccaacaat	gatagactgg	attaagaaaa
38641	tgtggcacat	atacaccatg	gaatactatg	cagccataaa	aaatgatgag	ttcatgtcct
38701	ttgtagggac	atggatgaag	ctggaaacta	tcattctcag	caaactattg	caaggacaaa
38761	aaaccaaaca	cctcatgttc	tcactcatag	gtgggaattg	aacaatgaga	acacatggac
38821	acaggaaggg	gaacatcaca	cactgggcac	tggtgtgggg	tggggggctg	ggggagggat
38881	agcattagga	gatataccta	atgctaaatg	acgagttaat	gggtgcagca	caccaacatg
38941	gcacatgtat	acatatgtaa	ctgacctgca	cgttgtgcac	atgtacccta	aaacttaag
39001	tataataata	aaaaaaaata	aataaaaaata	aaaaataaaa	gaaaatgaag	aaaatcattg
39061	catttgcagc	aacatggatt	tggctagagg	actttatcct	aggcaaacaa	atacagaac
39121	agaaaatcaa	ataccacata	ttctcactca	taagggggag	gtaaacactg	ggtactgatg
39181	gacataaaga	tagcaacaat	agacactggg	gactattggg	gtggtgaagg	agggaaggga
39241	gaaagtgttg	aaaaactgtt	gagtactatt	ctcagtatct	gggtaatggg	accattcata
39301	ccccaaacct	caacatcaca	caatataccc	aggttacaaa	cttgacacaag	tgccctctga
39361	atctaaaata	aaagttgaaa	aagcaaaaat	aaaacagtaa	acaacaacaa	caacaaaaca
39421	gcaaaaccct	caataaatac	ataaataaaa	atataaataa	atgtctttgc	cagagctttt
39481	tgttttttgt	gtggctttga	gttagtatct	gggtcacgt	tgcttttaag	ctgtttgcta
39541	tcaactgcat	cctatctaata	atttcttttt	cttaatagta	aaccactcaa	tttttggag

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FIGURE 2 (cont.'d)

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39601 gagatattac attgtggttt tgattttacat ttctctaag atttcctttc cagtttggat
39661 gctgagcatt ttttcttatg ttttttgccc attcatatat aatttttaaaa gaaatgtcta
39721 ttcaaactct tttgccattt taaaatcata ttatttttaa atattgtgtt gtagaaatta
39781 tttatatatt ctggatatta actctttatc agatatataa tttactaata ttttcttcca
39841 tccacaagtt ttttttaaca ttgttatgtc cttaaatgca taaaagtttt aaaaagtttg
39901 atgtagtcct aattgtctat ttttctttt gttgtctgta cttttgggtg catattaaaa
39961 aataattgcc atatccctt attctaagag ttttatagtt ttagatcttc catttaagtt
40021 ttaaatccat tttgagttaa ttcttgtata tggcataaga caaagtttca acttcactct
40081 ttcatgtgtg gatatacaag tttcccaaca ctgtttgttg aagagaatgt tcttccctca
40141 ttgagcggat ctggaatgct gtaaataatta ttgaccata tatgtggagt tttcttttaa
40201 tgggttcttt attctattcc attggctctat atgtctctct ttaagccagt gtcagtctgt
40261 ttttaattact gtagtcttgt aacatgtttt gagatcacgg agcatgagac cttcaactca
40321 gttagttttc aagattgtct agtcagagta tatatgaata tttagataaa tttttctctt
40381 ttttcaaaaa atgcagctta gattttgata gggattacat ataatttga gactgctttg
40441 ggttctattg acttttcaaa ttaatacata atgttgtaca gatttgggga atacatctga
40501 tattttggag atcttaacat taaatcttcc aatccatgaa taccaatgtc tttacattta
40561 tttgtgactt ctttcagtac tgtttttag ttttcagtgt acaagccttt tatttccctg
40621 gctaagttta ttctaagta ttttactatt ttgatggta ttgtaattaa attattttct
40681 taattacctt tggattgttt atagttaatt tatagaaagg caactgattt ttgtgtgtcg
40741 attttggatc ctgcaacttt ccagaatttg tttaatagtt ccaacagttt tctggatttt
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40861 ataggatcaa gtcactgtgt agcagagata attttacttt tttcttttat tctttggatg
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40981 gaatagaagc gaagagacag agtatacttg tcttgttctt aatccagaag aaaagtttga
41041 atcttttacc attgagtgt agtttacctg tggatttttc atatatggcc tttattatgt
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41221 atagtgtatt acattgattt ttgcatgttg tattattctt tttttttgag atgaaatctc
41281 attctgtcat tctggctgga gtgcagtggc atgacctcag ctcaactgca catttgccct
41341 ctgggttcaa gggattctcc tgtctcagcc tcccaaagtg ctgggattac aggcatagag
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41461 atcacaaata ttggtctgta gttttctttt catgtaatgt ctttgtttga ctttgaaatc
41521 agggtaatac tggcctcata taatgagctt tgaagtgttt tttatattca tttttgtaa
41581 tgactttgag aaacattggt tctaattctt ccttaaatgt ttggtagtca tccggttctg
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41881 gttgaatctt ttttcttag ttaactagc taagcatttg ttaattttgt tgggtgtttc
41941 aaaaaccacc tcttagtttt gttgattttt ttctattgtt tttatattct atatttcatt
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42121 tacttctttt ttttttttcc ttaagttgtg gagatggggt cttgctttgt tgcccaggct
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42481 ctgctactga tgtctagttt tatgtcattt tcatcaaaat agatattttg tataatttca
42541 atctttttaa atttgttaca agtttttttg tggataaaca tgtgatttat ctttgggaat
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42661 tgtttgttag cactatttat agtgttgttc aagtactgta tttccttctc gattttctgt
42721 cttgttgttc tagccattat tgaagtgtg gaattgaagt cgcctaccat tattatgtcg
42781 tttatgtttc ctctctgac tgtcaatgtt tgcttcagat atttaggagc tctggattta
42841 gaggtatata tatttghtaat tgttatatct ttctgctgaa ttgacttttt gttatataat

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FIGURE 2 (cont.'d)

42901 atccattttt ttgtcttgtg actatttttg actttaagtc tattttgttg gatagtagta
 42961 tagtcacttc tgcttgcttt tatttaccat ttgcatggca ttacttttc cttttttca
 43021 ttttaagcat atttgtttct tagacctaaa tgacaggata aagttggatc ctttttaca
 43081 atccattttc cagtctatat cttttgattc aggagttaa tccatttaca tttaaagtaa
 43141 ttactgatag ggaaggacct acacttgcca tttgtgtgt tctgtatgt tttgtaaatt
 43201 ttgtttttta ttcttctct tactgacct tttgggttt tgtcgatttt tttttgtgt
 43261 gacattttga ttcccttctt gtttcccttt gtgtgtattc tatagatttt tttatggtta
 43321 ccataagaat tataaaaaac atcttaaagt gttacaagc tattttaaac tgttaagaga
 43381 ataacttcga ctgtgtacaa aaactatttc ttcaaagctc ctacctcac cttaggttac
 43441 ttatgtcaca agttacatct tcatatgtaa tgtattcatt aacacagttt tatagttatt
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 43561 tgcatagtag agtctctata tatgtccata tatttatctt tactggagag ctttatattt
 43621 tcataagact tcatgttact atttagcatc cttttgtttc aacttgcaag atactacagc
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 43741 tatgtttgaa ggtaggtttt gctggatata atatttttg atattttttc
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 44581 gttaatctca tccaatgtat tattaatttc agacattgta gttttcatct ctagaaattg
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 44761 tcagaggtag atgtgcagg tttgttatgta ggtaaaactc tgtcacagga gtttgtttat
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 45001 tctcactatg gccatattct cctaacttct tgaatatctg gtatgcaaat tatacctagt
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 46081 acaatatctg cctcacttgc ttaaaataaa ttgtattatt tgagctttct atattgtccc
 46141 tttttacaac taaaatgtag aggttatggc aacttttatg gtaaagagaa tcatcacgta

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FIGURE 2 (cont.'d)

46201 ggagatcaag aatcattgat ttgagaggaa cctaaatcct ttaatgactt agtggagcaa
46261 gactgcccc aacatgagcc actatatatt taggtctctt catgttaaca gtttagcttt
46321 aaaagagaaa aaatgaagcc cctgaatggt agcatattat taacatcaca ggaagggaat
46381 taacctaaaca cacattttatt cctgaatggt agcatattat taacatcaca ggaagggaat
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46501 gccaaaggcag aatttttttg aataaattatt tctatagatg acccattcat aatgacaact
46561 aacatggttt ctaaaatgga ttcatgtacg tcatcttatt tagtccccgc aaaaattctg
46621 aaggtaggta taattattcc cattctatat attgaaaaat tgggattcag agagactacg
46681 gacttataca agtttctgca gctattttaag aaacagagta aagtctcaaa gccattaatg
46741 aactgttttag tttagtgtcg cttagtataaa ttgaactgt ttgaagtgcg ttttaatatg
46801 aaaccatcg atatttagtc agctctctgc ttgctaacta atatggaaga aaaaacatac
46861 atctacgtac atcctgaatt gggagaaggg aaataaaaata ttgccaatcc cctttcctgt
46921 attaggtact gtgataaggc gataaggctt ttcattatta taaatgagtc ctggagagggt
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47761 gcacactgcc tcaatgtcac catgtttcta cctcagttg tgcttggcag agagaggaca
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48721 tatttcttta aagtataaaa tgtaatccaa gatgcctttt ttccccctc agaagcttga
48781 gtgccaagg gtttgataaa tgtggaaaat aaccgctgtt cgaatatcct gttggcctgc
48841 tggtagatg tcatcgtgtt gtctgaatgc agtatgtgtt taaacttgc atttattacc
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48961 tgaagcaaat gccctatgaa actcaaggga gcaaggctct tgttattttt cagaagaaat
49021 gactggctga ggctgtaaag aaatcttgtg gtcattctca tggaaagagg attggagccc
49081 cgattctttg atctcattat tgaccagtgt attgagaaga ctgtcctcct gtccccaccc
49141 aatcacata agtgggtaat tacctgaggg ctaatttgct ccttgaatgt gaatacattt
49201 gtggaaattt ccttgtgtct agcacctgtt caaaacatcc atttgtattg cagagctatt
49261 gtttttctaa tctcattgtg gagctaagg agagattgtg ttaagggtt ccttcgtaat
49321 aggttttctt gctccaggaa ggatgcgtga cagactctgc acactgtgc ttggtagggt
49381 ttcagtgtat gatgcgtttt ccatctccca ggtacagctg cagctgtgct gactctggtg
49441 cgtttgtaat atgcactgtg gagtgcacca tgatttcatg atggctggag aaatctggtg

FIGURE 2 (cont.'d)

49501 gctagaattc tagggaggag gacatgagtc ggaagtgcag aaacctcaca ctgggacatt
49561 gatggagaaa atccaattct gtccctggag ttaaagagga gtcactcact gggccatcat
49621 aagagcaaat aaagttacag ttatttcttc agatccacaa ctcaactca gcgaaagtaa
49681 ttattcactc tttttgtccc aaacaataat gaaatcagct aaagcatatt gtatttatta
49741 cttccactca agttattgag ctgttctgac accttgttgc tgggaagata cacagatgga
49801 acaccatcat ttccattgat tctgatcata cccacgcta atatagcctt attgctctga
49861 gtcataggga ttttatgctt gcoctattcaa aaaacagttt ttaccttatt aaaaggatgat
49921 atgacctgag ctggagatga tgtttgtgta ttttgtgtaa accttttaatt atttttagtgg
49981 taaatacatt tcttgaatct tgacaaaaac ataattaaaa tgaacatatt taaaatggac
50041 atcttccaaa tgttcatttt taaaacaaac atcttccaaa tgttcatttt taaaatgaat
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50161 agtgcagtgg cgcgatctcg gctcactgca agtccgcct cccgggttca cgccattctc
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50281 ttgtattttt agtagagacg gggtttcacc gtgttagcca ggaaggtctc gatctcctga
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50401 gcccagcctc ttccttaact tttaatgaat aaagagttga aagggaaaaa ccaaagtgtc
50461 actatgctga ttttatcttg agctgtacag aatgtgcagt aacttaagaa tataagtcac
50521 tctgctgtta ttcatactag cctattcttt agcattattt aaacacacat atttgagtgt
50581 ctacacactg cctgctaggc agggggctgg gtgccaagaa gggatgtcca gagataaacg
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50761 cccagggaag ggatgctcag aaagaggggg ctgattatgt cctcgttca tgagaaaaag
50821 catcagccag tctgtgagtg cagggcatgg ctggagttct ggctttaaga tgagtgggaa
50881 gaaaggctgg agaggagtg gatccaggaa aagttgctgg gagcatttat tcttttgga
50941 atgggaagcc atggaagaac tgttgaagg aggattctgt gtgatacatc tgccttttag
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51061 caatcactgt tcaagctctg gtctagcact caccagtgtt tttcctacag gtgcataac
51121 aacatgctt ttacatttta tttttatttt aaatttttca ctatcctcaa tatcctgga
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51241 aaattttttt tcattctttc ctttttttaa aattaaaaca attttttttg agacagtctc
51301 actctgtcgc ccaggctaga gtgcagcatc gtggtctcag ctaccgaaa ccttgcctcc
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51541 cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
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51721 tgggcgaccc agccaggtct gcggagcggg gcccggcggc aacccctca cggacgtgg
51781 gactcccca ccccgctccc attcagcgt agcgtggag gggccaggcc cgcgccagg
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52321 agaggggaag gtgcgctccc agccacagga gggcagcagg cgtgggcagg tgtgtggggg
52381 accccagcac cagcgggcct gggtgtgtaa gtctgtctta gtgctgagca cacgacctc
52441 agtcattgct ctcatgacc ctcatgttcc aggacctg caactctgtt gagggctgt
52501 tgtgtgctca ggtgagggt ggagagacc acaaggagg atcctgttcc tgatccogt
52561 ccggcttct gagtgatgca gacacactca caagctcact ggcacatatg tgtgtccacg
52621 tgacacacac cacatgcaaa tacaccagg gggctgggtc gtcgggtgcca cagaggtttt
52681 gaagaaggac ttgggtgctg ggggtgccaga gattggtcca cgggtggcat tcagcccaag

FIGURE 2 (cont.'d)

52801	caggaccaac	cagagctgcc	ccccagcact	ttctgttttag	atgaggctgg	gagataatgg
52861	ccacatgaga	acctgaggtg	gagctactat	gatgagctcc	tgtgccctct	cccatggggg
52921	cctgtctgca	gcaggagagt	gtgatgccaa	cacaggtgaa	agagacagaa	agagggagcc
52981	agtgtgcatg	caccctgggg	cattgtctga	gtccctggat	ccatttctgg	ctgaggcccc
53041	cgaccctcta	ttgtgtccag	gtattttgaga	taaggcatgt	cttgtccagc	tgcagctggt
53101	ttgagttggg	ttttgtcatt	tgcagcccaa	acagtgtctc	aacttcagtg	gtcatctggc
53161	ctggtcacta	atgggctggg	gaaaggagga	aggttggggc	aagggcccat	gtgagagtcc
53221	aagcttggtg	aggctacaga	gggctcaaaa	cgaggtgggg	tgctacctga	gggatgagag
53281	ggctgggcag	ggcctggagt	ccccgatgca	ggagacagtg	gggtgggagg	gttgggaccc
53341	gggaagcaga	gtgctgggga	gggtccaggtc	aggggtggcag	gggtgtggca	gattaagagg
53401	cagacacagg	ttcctgggtg	gtaggaggtc	agggggccat	aaggagtgtg	ttccagaggg
53461	gggtctacac	ccagggtccca	gaggtctggga	gaggggaggg	gtgggagggag	gggaccagga
53521	gcatcagtg	agaagggaaga	cctggtgggtg	cgctgggagg	agtgtctctg	gctgaatggc
53581	acgggctgga	gacatcagga	ggatgtctgga	gccagtgtct	tgagcagact	ccagccttca
53641	cccttccagg	cctcctgaaa	gggtgtctag	atctcagata	gggagtgaag	gcgccaggcc
53701	tggtgtcttc	caggcaacaa	gtagggtagg	agggcaccca	ccttgtcaaa	tttttagcatg
53761	tcgcagatga	gctgtctcac	ggccttggtg	ttgattgcaa	tgggtgaatct	cacgtgtgcc
53821	accagcagct	ggggagggga	gaggaggagg	cctcagaggg	ggcccagtc	ggtgacctgg
53881	tgctcaggg	acccgcagct	ccccaccca	ggcctgccct	ataggatgat	gctgggagca
53941	gggaggaagt	gaaggctggg	tgctgatctt	tctgtgaaat	aagtgtctgga	ggcctgcacc
54001	cctctgatgc	ttactaagca	tgataatgat	tcagagggtc	ctggccagca	cttgtaaat
54061	gcttacctct	ttgtctcctg	agttcactgt	cttaactctga	ccatcattct	gtaaggcagc
54121	tgtaactatt	gacctgtttt	actggtgagg	aaactgaggc	acatgggtac	tttttagcatg
54181	cagtcacccc	agcagccaat	gcttgttagga	ttcgagaaca	gggacggaga	gtgatggcag
54241	gggcggccat	cagcatcagc	cgaggatcac	catgaactca	tttgcccttt	ccaactctac
54301	tggttgcca	gcgaggcccg	tgtgtcaggc	ccatgcccc	gccgcgtgtc	ctggggaaca
54361	gcaggctcct	agctgttttc	ttccttttag	ggcattactg	actctgagaa	catctctcca
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54661	cccagatttt	ggccaaaagc	cagtcgtatt	ttgcatccga	agggaggaaa	atagggttct
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54781	cacttcagag	tatagttggt	ggagaacttc	gcctcttggg	aagttccaga	agtatctgaa
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54961	tttctaagct	ccggcttcag	catctgtcat	gtggggacag	tgatcgctcg	gtcacagtt
55021	actcaggagc	tggcagcatg	gaaggagcgg	gcaggccgaa	ggcccagcag	cggaggggga
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55261	cctcctggta	ctgagcctcc	cagatcaggg	tctgcagctt	gagctctgcc	tggagccccc
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55381	ctccacactg	ggacaagggtg	agtttttttc	ttttccaaaa	tgcaaatcat	gtcatgttaa
55441	ctgcctcctc	aatcacctct	taatgccaga	aaataaaaatc	cccaagctct	gtggtgacct
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55621	ctcagcacc	gacagtgagt	tctcacggga	gccggcagca	gggtgctggca	ttgccatttt
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55741	tgacagccaag	agcggccagg	aaggggcatg	gccagacttt	aggtgctggg	aaagaccagt
55801	gtcactgcag	cacagtggtc	atggctgggg	agggagaact	gtcccagagc	acacagctgt
55861	gtcacttgct	ataagtattg	tggaaaggtg	ggtccttggg	cgtctctccc	tcgaaaacag
55921	tgctgtccaa	tagacatata	atgctacccc	acacatggaa	ttgtatatat	tcaggaagcc
55981	atattaataa	aaataaaaag	aaacaggtga	aatgccgggtg	aataatataa	ttttatttta
56041	cccaatatat	ccagaatatt	atcacttcaa	catgaaacca	atctaaaact	attaatatgag

FIGURE 2 (cont.'d)

56101	atatttcaca	ttccccacct	ccttatttcta	agtcttaaaa	atcaggtgtg	aactttgcac
56161	ttgcagcagg	ttttggtttg	gacgagccaa	atcccaagt	ctccagagcc	ctggtggcca
56221	gtggctccac	cctggtcaga	gagaccccag	aagcctcagc	actccctgag	gaccaaggag
56281	gggggaggga	ggaggggagag	cagagtgtga	cttgacacatt	aggcgtgcct	gtctgtttat
56341	acttgagatt	agttggctgc	ttttaaatac	cagacagttt	cacataaaaa	tttgaatgac
56401	ctggttttct	tgaaaaatta	gaaggtctca	gaactctgca	cccaggttct	cacagaacta
56461	cgctcttgtc	cctttttacag	agtcccagct	ctcaggttcc	ccactgccac	acccgtttgc
56521	atgacatgcc	tgggccactg	atacctgata	tgtgccctag	aatgctgggc	tgcttggcat
56581	gctctgagac	actttctgac	atgtccccac	atgctctgac	atgttcctga	tggctctggg
56641	acactgacat	gttcctgatg	gctctgggac	actgacatgt	tcctgacatc	ctctggggcc
56701	gaggagcccc	cctgtttgtg	gctaggggct	ttacccatgc	tatctcactt	aatcctcact
56761	ttgaccctgc	aaggcagata	ttccttgctg	tacccatttt	acatgggggg	aaactgaggc
56821	tcagctgggt	ttagcagctc	tcccaagtca	cacagtaggt	aaagagctca	gccggcaaca
56881	tgatattgaa	caggcaaaaa	ttggaagcaa	tccccctaaa	aactggaaca	agacaaggat
56941	ctaataactt	acccctcctg	ttcaatagag	tactggaagt	octagtcaga	gcaattgggc
57001	aagagaaaaga	aataaaaagg	atccaaatga	aaaaaaaaaa	aagaggaagt	caaattatct
57061	ttgttcatcc	atgatatgat	tctataccta	gaaaaccctg	aagattcctc	caaaagactc
57121	ctagacttga	taaacaactt	cagtaaagtc	tcaatgttat	aagtaaaatg	cttgtttaga
57181	aacagaatgc	ttgttcctcg	gtactgcaag	gaaaaatcag	catttagaca	aaaagttttt
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57361	cogtgcctg	tctccattgg	ctggagccaa	acctcacagt	ctaaactaaa	acccgactgg
57421	ctaataactt	aaaacttttc	taaataggta	aaagcagtgg	aaagacaaa	gaaaagagga
57481	agttgcttat	gaaaggactt	agaaaagtaa	taacatttcc	aaataaggaa	ggggcatggg
57541	ctgcaagctg	ggacatgcct	gtgagcacgt	ccagcacaaa	tatcttggtt	aaagtacaag
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57661	agttatttag	acaaagcgaa	aaggcttaaa	aaaagttagt	ctttagaaaa	aactattatt
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58321	taatgggttg	gaagaaagca	atctacagat	acaacacaa	tcctatcaaa	ttatcaacat
58381	cattttttcac	agaattagaa	aaaaaaatcc	taaaattcat	atggaaccaa	aaaatagccg
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58801	acattctaga	agaaaaccta	ggaaaaaatc	ttatggacat	ttcctaggca	aagaatttat
58861	gactagacct	caaaggcata	tgcaacaaaa	acaaaaattg	acaaatgaga	cttaatcaaa
58921	ttaaagagct	tctgcacagc	aaaacaaact	atcaacaaag	taaacagaca	acctacagaa
58981	tgagagaaaa	tatttgcaac	tatgcatcca	caaacgacta	ataccagaa	tctatgagga
59041	acttaagaaa	aaacaccacc	attaaaaagt	gggcaaaagga	caggaaacaga	cacttctcaa
59101	aagaagacat	acaagtggcc	aacaaacata	tgaaaaaatg	cccaacatca	cttaactca
59161	gagaaatgca	aattaaaaacc	acaaagggat	accagtccaga	atggctatta	ttaaaaagta
59221	aaaaaatgac	agatgttggc	aggatgcaga	caaaagggaa	tgcttacaca	ctgttgggtg
59281	cagtgtaaat	tacttccatc	cctgtggaaa	gcagtgttga	gattttgcaa	agaactgcaa
59341	atagaattac	cagttgaccc	aacaacccca	ttactgtgta	cctacccaaa	ggaaaagaaa

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FIGURE 2 (cont.'d)

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59401 ttgttttacc aaaaggacat aggcacacat atgtttattg cagcactggt cacaatatca
59461 aaatcatgta atcaacctag gtgcccacat atagtggcac cagataaaga aaatgtgata
59521 catgtactcc aaggaatact acatagccat aaaaaagaat gaaatcgtgt tctttgcagc
59581 aacatggatg cagcttagga ttggcactta agccataatc ttaagtgaat taaccagaa
59641 acagaaaatc gaatactgca tgttcttatt tataagtggg agctaagcat tgtgtacaca
59701 tgggcataaa agtgggaaca aaagacactg gggactccag gaaggggagg gagggaggaa
59761 agggttgaaa aactgggtat tgggtactat gctcagtatt tgagtgatgg gttcaataga
59821 agcctaaccc cagcattatg caataatacc atgtaacaaa cctgcacatg tacctgaatc
59881 taaaatttta tatattaaaa aaaaaaaaaa tgttctgacc agtaaaaaaa gagctgaatg
59941 aggatgggcc cagtgtctct cctatttcag cccatcactc tcccttctgc ttctcttcac
60001 ctcccgccct gaccgggcct cacctgcccc tctccttgag ctcttgtacc actgagctgg
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60121 ggatgccaga acttgccctg agcaatttgt gtttcttaaa tttgtttttt gggtaaaggaa
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60901 cagacagttt cactctcctg gtgcacacct attgagacgg ggcagggggc tcctcttagg
60961 aacaataaag tcccctccag cgcaacaggg catggaaatg aaggaaaatc ccgagttcct
61021 gcaactgtag cccccagccc ctactagacc ctgagaaata aatgagcaac ttgacaaaca
61081 tgaagggaag ttccaggcac aacaacagcc aagggaagcca gagtcctggg ctgtttgggtt
61141 agcgggtaac agcagcctaa acccctgaac atgtgtctct gagttgtttt tcagaaaacc
61201 ccctctggaa actaaagaga cactggcaca gagacctcag ataagacgga actgaggact
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61321 gaactctgag caggctcttt tcttctctgg taaccctaat ttttaaatga aacttctctt
61381 ccacaagcca cagctaacat tcttctctgg acaaattttt gaatctacct atgacctgga agcccacccc
61441 ccttaacca tttcaaaaaca ttttaggcca aaaccaatgt gtacctcca tgtattgatt
61501 cacttcaaga tatcccgccc tctgcaattc ctgaaattca ctctgctttt aaaaaccctt
61561 aatgattttt cctgttaact ttccgggtctt aagagtgaagc tgcccaattc tccttttttg
61621 acctgcaagc catcaggag gtgttctcgt agattatatc ccaatctcag tgtttgggtt
61681 gtccccgcaa taaatgcctt tcccagtcga gctcggtaac acaactgtcc tcgccacgac
61741 tgetgcactg ggcaagcaga tccagtcga actgcaacat gcacctggtg cagcaggcgc
61801 agcctcaacc ccaggaccct tggccgaagc tctgaccttg ctccgggtgt ggccgaagct
61861 tgtgggatct gctccgggtg cccaccagtt atcccgtgaa cactgccagg ctgcaacaac
61921 ctgaccttgg gctgcccagg tccgtccttg ctggtgtctg ggagttacct ctttgtttt
61981 tcatgagcag agcatggggc tgatatctca ttgttaactt tcatttgcatt tctctaaact
62041 ccaaccagc atgtcagaaa ttccatatgc tgggtgccc tttacatttc tcttttttg
62101 acaggtgaag ttaggagttt ttccatattc tccactggag tattgggtatt ttcccgtaa
62161 aattgcctat tcatattctc tctcattttt tccactggag tattgggtatt ttcccgtaa
62221 tgtaaaggag ctacctgtgt atcatagata ggcactctct agctgtcact tctgttatgg
62281 ttactcacc taatctctgt tttgcttttt ggctttgttt atggtttatc actcaagttt
62341 taaaacatta cataatcaaa tatgcttagc tttcccttta taacttcttg gtttcccttt
62401 ctttctaaaa gtcttctgag tgtctgcgta attagttttt ctaaaattcgt tctattttt
62461 cattttaatt tttacttcat ctgaattttt tcttttctt ctaagcaact cctctacatg
62521 atgagattta tttttgtaaa tggcatgaca gagcagtcca atttaatttt cttctcatgc
62581 aaaggcagtg tgatagcatc attaaaataa tatccctttt tcaactgagtt gaaaaacctc
62641 cattgtgata cactgaattc ctctgtgggg gagtccattt ctggatctta ctctatactg

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FIGURE 2 (cont.'d)

62701	tcccccaatt	ctctctgttt	tcaagcacag	tgtctgttta	acagtaacct	tacaaatcca
62761	gcaaggaaaag	tggttccttct	gtgttttctt	ttactttttt	tttttttttt	aaagataggg
62821	tcttactctg	ttgcccagtg	tggagtgag	tggagcgacc	atggctcact	gcagcctcaa
62881	actcctggac	tcaagccatc	ctcccacctc	agcctcctga	gcagttggga	ttacaggcat
62941	gcgccaccat	acctaatttt	ttctattaat	tttttttttt	tttaagacat	gaggtctcac
63001	ttgggtgccc	tgccctctta	tgtgggttta	atttttttca	aaaaattttt	gactatgcta
63061	gattttctttt	tccatatgaa	tctttcaatt	ttttaattgt	tttctctcct	ttttagttcc
63121	tcttcaccac	caccacaccc	ccaccaagaa	agataaaaaa	ttctggctga	aattttactt
63181	ggaagtgcac	taagttttta	taatagaatt	tggtagaact	gacattttta	cagtttcctc
63241	cccaatatca	aatcactgtt	aagagttcat	tgtatatcct	ttaaaataac	tttatagttg
63301	gccgggtgag	gtagctcacg	cctgtaatgc	caacactttg	ggaggctgag	gcaggcaaat
63361	cacaaggtca	ggagttcgag	accagcctgg	ccaacatggt	gaaatgccgt	ctctactaaa
63421	aatacaaaaa	attagctggg	cgtgggtggca	ggtgcctgta	atcccagcta	ctcgggaggg
63481	tgaggcagga	gaattgcttg	aacctgggag	gtggaggttg	cagtgcgccc	agatcacgcc
63541	actgcactct	agcctgggtg	acagtgcgaa	actccatctc	aaataaataa	ataaataaat
63601	aaataaataa	ataaatqaat	aactttatag	tttttcctta	tatgggcatt	atattttatt
63661	gttagtatgg	agaaaggcta	ttgatttttt	tgagaaatat	atttatctaa	acactttgcc
63721	aatgaatttt	attaatctag	tagcttttaa	aaaaattaga	atctcttggt	ttttctaggt
63781	ctaccatagc	attaccagaa	aagatcatct	tccctgttct	ttgacaatat	gtttattgat
63841	tgttttcctg	ttttatcatg	tggtatgacc	tctaaaaata	tgttgaataa	aaacagtgat
63901	atcagcattc	ttattatttt	aatggaaatg	gcattagagt	tgacaccttt	tgatgttagc
63961	tatcttttat	atataaagta	aggttcctcc	tattaatttt	tattagttgt	ggctattaaa
64021	tgttattaaa	ttccctttta	gtgtgaattg	atataatcat	aaactttatc	cttatgggta
64081	taataaatta	tggtggtagc	tctcttgata	ttgaaatatc	tggaataaac	cctgcttggt
64141	tattacatat	agtcatttaa	tacactgctg	cactcacttc	gctaatatca	cctttagttt
64201	tcttttaaat	ctttatttaa	tacttggtat	ggtcttcagc	cttcttttga	agcctgcctg
64261	tatccagttt	cagaactaag	cttacaccag	ctttatatga	tcaatttggt	gctgataaag
64321	agccctggaa	atgtcagctg	tctagtggct	gggtgagact	cagctgctcg	ctgtgtaggt
64381	ctggtttcca	tcactatatg	gaaattggcc	tattttctac	aatttcttct	aatttatctt
64441	tgcttaggtt	tttatccatt	tctctaattt	ttcaaatttt	tgocatatta	ctctcattta
64501	aaaaatatgt	aatcataatt	actgttcttt	ttttttttta	agagacgggg	tcttgatatg
64561	ttgctcaggg	tagactgctg	tggtctattca	caggtgtgat	catagcacac	tacagcctca
64621	agtgcgcctc	ctgcctcagc	ctctcaagta	gctgggacta	cagttgtgta	ccaccatggg
64681	gcctggctat	aattactctt	tttatgatcc	cttttttatt	cogaatcttg	catttttttt
64741	ttctatctct	ttttttccat	cagcctcatg	aggaggttat	tattattatt	ttttggacct
64801	ttcaaagaac	cagatcttgg	atttactatc	ctctggcttt	catttgcttg	agcttttata
64861	gtttgcaaaag	tttccatttt	cagaagaaga	aagagacca	ggaacattct	gtggcttgct
64921	caagggtcca	cagcctgcta	gcaagtggct	gaactggaat	ttaagctagg	cccctgactc
64981	caggctgctc	caagagatct	ctgagccaag	cttttgaagg	caccatcagt	ggtgcctggg
65041	atctccgggg	atctcccagc	aattttgtct	tcttttaggt	cacctgtccc	tttacctgct
65101	gcttcagttt	cttaggcaca	gggcttctct	ctggtaacag	acaggaagct	cctctgaggg
65161	tacgtgcccc	tgggagactg	tggggaggct	ggaacttaga	gtcagatgac	ctggcctgaa
65221	tcctagctct	gtggctggct	gtgggcacct	gtgtctcagt	tttcttatct	gggtaaaatg
65281	atcaacatca	atagagccca	ctacctagga	tggttggtgt	gatgattaca	caaataaaga
65341	taggttatct	aaaaccccag	tggtcaaatg	tgcttcagaa	tccagaattt	ttaggatttt
65401	agcagtgggt	atacttcatt	atgtgccata	ccccctccca	ccccagctct	agggcaacat
65461	actattttac	aatcgaacag	agcagtattt	ctgcagtgat	ccacatacat	atcacattga
65521	atggaaaaag	cctctaaata	acctcaccta	ttgcttcaaa	gaagggttgt	ttacaaacaa
65581	tgaatttgct	gcacagtttt	gaaatatgca	gcagttttca	gatttttttag	atttagaatc
65641	gagggttaagg	gattgcggac	tgtgcagggt	aacctcatag	atagccttgg	catgtggctg
65701	gtgcctgacc	tatccagctg	ctattgtgtc	cacagctccc	aaggtccagt	tcatggacat
65761	tatttgctga	atgctcatct	gccagttccc	cacggtgtcc	tctgcgcagt	tctcccttac
65821	tcccaggggac	ctatgccagc	tccagttcct	gccttggtcc	ctgctgtctg	cacaccagct
65881	cccagcctgg	cagcaggctg	gtgccaggaa	cagggggaga	caaagccctg	tgcccgcctg
65941	cctttcctcc	agggtctccc	tcttctctct	gcctcatctc	cggtggacat	aagaactcac

FIGURE 2 (cont.'d)

66001	atcatcatca	aaggtggcat	accaggactg	gcctgggttc	tgaccccaga	acccatggtg
66061	ccccctcagt	gtcttggtct	ccagcttagt	ccacagcttc	acctgcctgg	ccccctggcag
66121	caocttgact	gggggcccct	ggtcagggtg	ctgggggtga	gagtgcagaa	tatgatccca
66181	gggcagggtcc	tccacagtgt	gcctcgactg	gccaggggct	tctcaagtgt	gccttgggga
66241	gtagaaccct	ctccgcccct	atggacagcc	cacctcaggg	cctgcaggaa	gccctagtgt
66301	ctttcaagac	atagcttcct	cagctggagt	gtgaatggag	ccacccagga	gccctggatc
66361	gcagaggact	gagctgctca	gaaaggtgtg	ccccccagca	gcctacctgg	atggcaatgg
66421	ggacaatctt	gttggccagg	ttcttatata	gcaagcagat	gggagcggcc	aggaactgga
66481	gtgtgcaggg	gtctgttttg	ttggcatcga	tgccatccag	cagctcaaag	tccacgatga
66541	aaatgttccc	ttgctgcagg	aggcagagag	atgtgtccaa	atcaggctca	gcagacggac
66601	caaaaatcag	gcctggggaa	agagtgatga	cctctgggca	cccctctccc	tttctctgca
66661	ctcagcggag	ctcagaatgt	gtacttctct	cctctgactc	caaggetgat	tgattcacat
66721	ggaaggtgtt	cacaggttgt	ggcagttcgg	ggttaagatga	aggaatggca	gcagctcatt
66781	cggcatttgt	ggtgtctgaa	acctgcttga	ctggcacgaa	agatgagaga	ccgacccagag
66841	ttgcagttta	ctaagaagaa	agaggttagg	tgaatatagat	gtgacgagtt	aaatgccaat
66901	cttcaccacg	gggctgaaag	tccgnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
66961	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
67021	nnnnnggggtc	ctcagggtgt	gggcctcagc	ccgcccgttg	ttccacccta	ggcttcccca
67081	agtcgggtcaa	gagccgggag	cagctgtcgg	agtacctgac	cgtggtgatc	ttcacccgct
67141	ccgcccagca	cgccgcggtc	aacttcggcc	aggtaggcag	ggcggggccc	gctgggcagg
67201	gctcccttct	caaggccgct	gcctcctccc	ccgcccgggt	tctgcacgcg	tactgcaccc
67261	ctggagacgc	tcggggcctg	gcacgggact	tgacggatgg	attctgcccg	ctcagccaag
67321	ggcgctggcc	agggggaaag	aggatggacg	gactgcaggg	cccgctggag	ttgggggggca
67381	cggggaggac	ggggcccagg	gggcagctgg	gcagcagggc	ttcgggggtg	cccacgcttg
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67501	gcgagccccg	ccaccgactg	ccaagggcgt	ggtgaccatt	gagcagatcg	tggacacgct
67561	gccccagccg	ggccgctcct	gctggcatct	gggtgcagtg	tgggcgctga	gccagttcca
67621	ggaaaacgag	gtgaagctgg	gcagggcggg	gcacagcccc	aggtcacccc	aggttaagcg
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67741	gttccttcca	aggctggaag	ggcccagaag	gctgcagccg	ccaccaggtc	ccccggcctc
67801	agcctggaca	gagctcaggg	tgtgcagggc	aggagagcac	acagcccagg	ctttgtcac
67861	tgtcaccaga	gggtcgtgtg	tgacgcccc	tccccccagc	tattgacaaa	gttcttgac
67921	atgtgtttta	ccctggtaact	ccagagggaa	tgaccaagag	tttctgtggg	tccttccgga
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68041	ttggggtagc	tcagtactgc	atagaatggc	cggaccagtc	caacctgctc	cagactgctg
68101	ggtgtctgag	ttgttcccgg	ccaattgtgt	ggtccctcac	tggacatcct	tgttttgtg
68161	gctttgcaac	tgtgttcagt	atgaccgcac	acattcctag	cagacaaatt	ccttgggtcaa
68221	agaatatattga	tactgaattg	ccctccacaa	actaaattca	aaatccatt	atcaatagcc
68281	tatgttttct	ggacctttcc	agctcagaag	ctttgtgatc	ttaatccaat	acagtatttt
68341	tttaaaatga	tatctagctc	tgccccgcag	acatctgtgt	gagaatgcaa	ataagcacag
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68701	tgtcaggcag	cagagggtga	atatggggag	gtgaatagat	gctccctcct	tcatctccca
68761	aacgggtggct	ggcccccttg	gatgagacag	gcctgtcagt	ttacacgggt	agtggattga
68821	cctatgtgtg	tgtccatgtc	tgggcccctca	gctgttctg	ggcatgtacc	cagaagagca
68881	ttttatcgag	aagcctgtga	aggaagccat	ggcccgatcc	cgcaagaacc	tcgaggccat
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69061	cagctgcccc	agccagatgg	actccagcct	gcctggcagg	ctgtctggcc	aggcctcttg
69121	gcagtcacat	ctcttctctc	gaggccagta	cctttccatt	tattctttga	tcttcaggga
69181	actgcataga	ttgatcaaag	tgtaaacacc	atagggaccc	attctacaca	gagcaggact
69241	gcacagcgtc	ctgtccacac	ccagctcagc	atttccacac	caagcagcaa	cagcaaatca

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FIGURE 2 (cont.'d)

69301	cgaccactga	tagatgtcta	ttcttggttg	agacatggga	tgattatatt	ctgttctatt
69361	tgtgcttagt	ccaattcctt	gcacatagta	ggtacccaat	tcaattacta	ttgaatgaat
69421	taagaattgg	ttgccataaa	aataaatcag	ttcatttaaa	atgggtcttg	ttccatgtgt
69481	tatattccaa	tcaccccaaa	cagctcactg	ccatctccca	caccaagaga	aaaaaaaagc
69541	catagtcacc	gtgattttat	caaggcaaaa	gcctcccccac	ccaagtctgg	atagaagggtg
69601	ctttttccct	caagcagtg	ctactctctt	tggaaacacat	cccaaagtgc	accacctctg
69661	ggaaggcatc	cttggttcct	gtctctaccc	tggatttgct	agaacctctg	ttcttgcccc
69721	ctctgtggtc	tctcccttgg	gacaggagcc	cctggaagga	cagaaaacc	actttattta
69781	tgtctgtgac	ccagggtctg	cataaggcac	cagcactcag	ctgttctctc	cttttccctcc
69841	tggaaagggca	cctagcta	ggatattagg	cattgtcttg	ggagctgggg	gcttattttt
69901	tcctgaggca	gggttcttaa	catgacataa	aaaataaaaa	tgggcagggc	gcggtggctc
69961	acgcctgtaa	tcccagcatt	ttgggaggcc	aagggtggag	gatcatttga	ggtcagaatt
70021	caagaccagc	ctggccaaca	cggtgaaacc	ccatctctac	tgaaaataca	aaaattagcc
70081	aggcatggta	gcaggtagct	gtaatccag	ctactcagga	ggctgaggca	ggaaaattgc
70141	atgaacctgg	gagacagagg	ttgcagagag	tggatatcgc	accactgcac	tccagcctgg
70201	gcaatagagc	gagactctgt	ctcaaatagt	taataaataa	ataaattaaa	ttaaataaaa
70261	acgcattctc	tttccccagc	cccaagtagc	agagcccgct	ctgagcctgg	gcatgggtgac
70321	ccattctcct	cgtgctcaca	tgccccactc	ccagccctcc	agccctggc	ttcggaatca
70381	tgtcatcagg	gtctcccag	tctctggaag	gtgcttccag	tgtggcaggc	catcagctca
70441	gtgtctgggt	aaaggcttct	acagggccag	catggcatag	gggggagggtg	tgcagcggtt
70501	cctgaagcca	caaggtcttc	tgaggagacc	tgactatttg	ggtggggact	agagactgag
70561	gtccagcccc	ttaatgcccc	agactccctg	ccatccctcg	gagaatttcc	caccacactt
70621	atgaatgac	ttcggggac	gtgacataaa	catacagcta	tggtagaggc	attcagctcc
70681	atgccactgt	gagaatgaac	ataccaactt	ttaggcaaca	aggccatgtg	gtcaaggaga
70741	gaggagaaac	gaataggagt	aggcaggggt	ggtgaagcag	gtctgacatt	ggcaaaagt
70801	acagagaagg	attgggttgg	aagggttca	gatggcagag	aacctctgaa	aaagtctcat
70861	gccagcta	gaagagtcct	caaagtcacc	atcacagaaa	tcttacatct	ggcagaaatg
70921	acagcaatag	tttggcatga	acccacacag	ggatccaaac	gtgtggcagc	tgagatcgtc
70981	agttaattat	gttctctgca	gctggtcctt	ctggttccct	ggagctgggt	atctgagtag
71041	cacagctcca	ctgctaccac	aggagaggga	gaatcccaaa	ttctgtgcat	agactgtcta
71101	aacctctgga	tgacccttaa	gacacatgta	cataaggcaa	actgcaaaca	gccaattta
71161	ggataaaaca	gcctgtctta	ctctgtttgt	gctgctataa	taaaatacct	cagactgggt
71221	catttatata	gaacagaaat	tgattcctca	cagttctgga	ggctggaagt	ctaaggagg
71281	gcactggcag	tttcagtgct	tggtaaggga	gggatcagtg	tctgctccca	agaggatgcc
71341	ctctgtgctg	tgctctcacc	cagcagaaga	gcaaaaaagg	ggaacattc	tcaaaagcct
71401	cttttataag	gacatcaatc	cattcatgag	ggcagaaccc	tcaagaatta	atcattttctc
71461	aaaaggcccc	tctccta	gccatcacct	tggggtttaa	gttccaacac	atgatttttg
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71761	aaaattagcc	aggcggccgg	gcgtgggtggc	tcatgcctgt	aatcccagct	ctttgggagg
71821	ccgaggcggg	tggatcacia	ggtcaggaga	ttgagaccat	cctggccaac	acagtgaaac
71881	cctgtctcta	ctaaaaatgc	aaaaatttagc	tgttgagact	actcggaag	ctgaggcagg
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72001	tcgtctcaaa	aaaaaaaaaa	gaaaagaaat	tttctggatt	aggataatgt	tctatatattg
72061	gataagggtt	taggttacct	agatagatac	atttatcaaa	agtcatacaa	tggtagactt
72121	cagatgtacg	catgtcactg	tatgtaaata	ttaccccaaa	atcaacaaga	accatgagca
72181	aatactgact	tctagtgaac	gacatgcata	ctgaaacttt	cgtagtgaag	tataattatg
72241	gctgcagttg	actctgaaat	acataaaaaac	ctaagttgat	gggtgaatac	agtgattaat
72301	agatagaaat	ctgtggtaaa	gcatacggag	aaaaatgtta	attgtagatt	ctagggttta
72361	tatatattct	cactatataa	ttaaacgttt	ttatgtttta	aaatttttat	aatgttgaaa
72421	aaccatgaaa	tcctaccta	cgcagtaaga	caagaaaaag	agataaaaag	tatatgtact
72481	gggaagtaag	aaataaaaacc	gtctttgtta	gcagatgaca	tgtcatcta	tgtagaaaat
72541	ccaaaagaat	ggataaagaa	actcctggaa	ctaataagtg	gttacagtaa	ggttgtagga

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FIGURE 2 (cont.'d)

72601	tacaaggtta	atatacaaaa	gtcaatcact	ctcttattca	ccagtaatga	acaagtgga
72661	attgaaattc	aaaacaaaat	actatttaca	ttaatactcc	aaaaatacat	acttaggttt
72721	aaatctaata	aaatacatac	aagatcttta	tgaggaaaac	tgcaaccctg	atgacagaaa
72781	tcaaaagagaa	actaaagaaa	tagacataag	taaatattcc	ccagaaaagac	tcaatattgt
72841	caagatgtca	gttcttcaaa	acttgaccta	tagattcaat	gcaatcctaa	tcaaaatctc
72901	agcaagttat	gttgttgata	ctgacaaact	tattcttttt	tttttttttt	ttttttttga
72961	gacggagttt	cgtctgtgtg	cccaggctgg	agtgcagtg	cgcgatctcg	actcactgca
73021	agctccgcct	cccggtttca	cgccattctc	ctgcctcagc	ctcccatgta	gctgggacta
73081	caggcacgcg	ccaccatgcc	cggctaattt	ttgtattttt	agtagagacg	gggtttcacc
73141	gtgttagcca	ggatgggtct	gatctcctga	cctcgtgatc	caccctctct	ggcctcccaa
73201	agtgcgtgga	ttacaggcgt	gagccaccgc	gcccggccaa	cttatttctaa	aatttagata
73261	gggaagcaaa	agacccagaa	cagctaacac	aacaatatag	taggaaaaca	acaaatttgg
73321	aaaaatggata	ctacccaact	ccaagactta	ctataaagct	acagtaatca	agatagtgcc
73381	gtattggtga	aagaatagac	aaatagatca	atggaaacaga	atagagagcc	taagaataag
73441	accttcataa	atacagtcac	ctcatocctg	acaaaagtagc	atagacacta	caatggagca
73501	aagattgtct	tttcaacaag	tgggtgcagga	acaactggat	atccacatgc	aaaaacaaac
73561	aaacaagcat	gaatctagat	acagacctta	tgctcttcac	aaaaattaac	tcaaaatgga
73621	ttatagatct	aaatgtaaaa	ttcaaaacta	taaaattccc	ataacatagg	ataaaatcta
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73861	tacaaagcct	tcttaaacctt	aacagtaagg	aaacaatctg	attgaaaaat	gggccaaaga
73921	ctttaacaaa	caaaagaaga	tatacaaatg	gcaagtaagt	atgtgaaaag	aagctgcaca
73981	gctggggggc	gtgggtggctc	acgcctttta	tcccagcact	ttgggaggtc	aaggcgggca
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74221	cactccagcc	tgggcaacaa	gagtaaaact	ctgtctcaag	aaaaaaaaaa	aaagctgca
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74761	gatatgatat	tgagaaaaag	gcaaaaactgt	ggagacagta	aaaagattgc	caggggctag
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75181	tattgaaaaa	gaaagtacac	tccacagggg	gggagcaggc	ctaagcaggt	ggctcaaggg
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75541	taaaaacaaa	gaattagtgt	ccctacatca	ggaaaaaaac	acctataatt	caatgtaaaa
75601	atgcacaaaa	gccaagagaa	atggccaagc	catggaaatt	cacagaagta	gaaataggca
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75721	tacaaaggag	taacaatcat	tttaggaaca	atttttaaaaa	taacacttgt	gatgtggctc
75781	aggaaaagatt	catatttctca	ctgtaggaag	gtaagtgaat	catttttagag	gtcagttttg
75841	caacttagaa	gatcaaatgc	atctaccctt	tttctacttc	tagaaatgta	tcttcagaag

FIGURE 2 (cont.'d)

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76021	tttaaagaaa	tcctgcatga	gttagaaaaga	ataaggtaga	tgccctgggtt	ctaacataga
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76321	tgttatcacc	atgctgacag	ctttgcttgt	catatgcctt	tccctccgct	gtactgattt
76381	tacottacag	aagctctcct	tagtgcttca	tcagacactc	cctcttttcc	aaagaaaaga
76441	cagccgcatt	ccatggtcat	ctggttgagc	tcgaggtgag	ccccagggat	catgtgcttc
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79081	accttcaaga	aaagaaaagg	caaggggggtg	gctctgtgcc	ccgccaggag	aggaaagaag
79141	aatgtgtgtg	gattgtccac	agtgaggcca	gaaacgatga	gatggtgtta	ggcagaaaaag

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FIGURE 2 (cont.'d)

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79321 cctaccta gcaactttct gtctacagga agtcttgggt cttttcaagt tcagcataag
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FIGURE 2 (cont.'d)

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82801	tcttattatt	ttgagataca	tctcatcaat	acctaattta	ttgagagttt	ttagcatgaa
82861	gcgttgctga	attttgtcaa	aggccttttc	tgcattctatt	gaaataatca	tgtgggtttt
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85561	gttttttaact	gctttgccat	gggttcggac	ttcctccttt	agctcagagt	agtttgatca
85621	tctgaagcct	tcttctctca	actcgtcaaa	gtcattctcc	atccagggtt	gttctgttgc
85681	tgggtgaggag	ccgtgttctt	ttggaggagg	agaggcactc	tgatttttag	agcttccagt
85741	ttttctgctc	tgtttgttcc	tcattcttgc	ggttttatct	acctttgggc	tttgatgatg

FIGURE 2 (cont.'d)

85801	gtgacgtaca	gatgggggtt	tggtgtggat	gtcctttctg	tttgtagtt	ttccttctag
85861	aattcaggac	cctcagctgc	aggtctgttg	gagtttactg	gaggtccact	ccagacctg
85921	tttgccctggg	tatcagcagc	agaggtctga	gaacagtgga	tattggtgaa	cagcaaagt
85981	tgctgcctga	tcattcctct	ggaagttttg	tctgagagga	gtaccagcc	gtgtgaggtg
86041	tcagtctgcc	cctactaggg	ggtgcctccc	agttaggcta	ttcgggggtc	agggaccac
86101	ttgaggaggc	agtctgcca	ttctcagatg	tcaagctgtg	tgctgggaga	accacttctt
86161	tcttcaaagc	tgtcagacag	ggacatttaa	gtctgcagtg	gttattgctg	tcttttgttt
86221	gtctgtgccc	tgcccctgga	ggtggagtgt	acagaggcat	gcaggcctcc	ttgagctgtg
86281	gtgggctcca	gccagttcaa	gcttcccggc	tgctttgttt	acctactcaa	gcctgggcaa
86341	tgggggcac	ccctccccc	gcctcgctgc	cgccctacag	tttggctc	gactgctgtg
86401	ctagcaaaga	gtgaggctct	gtgggtgtag	aacctccaa	gctatgtgtg	ggatataatc
86461	tcctggtgtg	ctgtttatta	agccatttgg	aaaagcaca	tattaggcca	ggagtgaacc
86521	aattttccag	gtgccatctg	tgaatgcttt	ctttgactag	gaaagggaa	tccctgacct
86581	cttgcccttc	ccaggtgagg	tgatccctca	ccctgctttg	ggtcacgc	ggtgtgctac
86641	acccactgtc	ctgcaaccac	tgtctggcac	tccccagtta	gatgaaccg	gtacctcagt
86701	tggaatgtg	gaaatcacct	gtctttgtga	tcgctcatgc	tgaggagctg	tgaggagaa
86761	tgttctctatt	cagccatctt	ggctccacgt	atatccactg	ccacacttct	ttagtataa
86821	agtgagtgcc	ttggtcagag	gcaatgctgt	gtggaatacc	atgatggtgg	ataaggcatt
86881	ctgtgagtcc	atgaatggta	gtcttggcag	agcatttgtt	tcagtttagg	caaaccata
86941	tcagagtaa	gtgtctgttt	cagtgaggac	aaacctctgc	ccttttcagg	atggaagagg
87001	tccagtataa	ccaaccttcc	accaggtaac	agactgatca	ccccgaggaa	tggtgccata
87061	ttgagggctc	agtgttagtc	tctgctgctg	tcaaattggg	cactcagctg	tagccatagc
87121	caggccagtt	ttggtgagtg	gaagtccatg	ttgctgagcc	catgtataac	ctccatccct
87181	gccaccatgg	ccactttgtt	tatgggccca	ttgggtgata	acaggggtgg	ctggggaaag
87241	aggctgagtg	atgtccacag	aacaggctcat	cttatccact	tgattattaa	aatcctctc
87301	tgctgagatc	acccatttgt	gagcactcac	atgggatcca	aatatcttca	cagggttttg
87361	ccactcagag	aggtccatcc	acatacctct	tcccaaaatt	tctttgtcac	caattttcca
87421	atcatgcttc	ttccaagtcc	ctgaccatcc	agccaaacca	ttggctacag	cccatgaatc
87481	aatatataat	cgcacatctg	gccatttatc	cttccatgaa	aagtgcacaa	ccaggtgcac
87541	tgcttgaagt	tctgcccact	gggaagattt	cccttcacca	ctgcccttca	gtgatgtcct
87601	agaaagggg	tgtagtgtcg	cagctgtcca	cttttgggtg	gtgcctgcat	atcgctcaga
87661	accatctgtg	aaccaggccc	tagtcttctc	ttcctctgtc	aactgatcat	agagaactcc
87721	ccatgaggcc	atcggtgcag	gctggggaag	agaagggtgg	gtggcagttg	tgagagccat
87781	gggcatttga	gctacttctc	tgtgtaactt	acttgtgcct	ttaggacctg	ctcgagccca
87841	atcacatata	tatcacttcc	atgtgatgat	ggaatgctgc	tgtgcatgac	ccattttatg
87901	gtacatggg	tcagaaagca	cccagttcat	gatagacagt	tcagttcaca	tggtgacttg
87961	atgaccata	atcaaagtgt	cagtttccac	caaagctcag	taacaggcca	agagctgtct
88021	ttcaaaagca	cagtagttat	atgcagaaaa	tggcagggcc	ttgtttcaaa	atgttagagg
88081	catctgctgt	gattcacctg	tgggggcctg	ccaaaggctc	caaacagcat	ccctatctgc
88141	cactgatgcc	tcaagcacca	ttggatctgc	tgagtcatat	ggcccaaa	gcagagcagg
88201	ttggacagca	gcctggacct	gaggcagagc	cttatcctgt	tctggacccc	actcaaaact
88261	ggcagccttt	tgagtcactc	gataaatggg	cctgagtaac	acaccctaat	gaggaaagtg
88321	ttacctccaa	aatccaagta	ggcccactac	atattgtgcc	tttttcttag	ttgtaggagg
88381	ggccaaatgc	agcaacttat	ccttcatctt	acaaggagta	tcttgacagg	ccccacacca
88441	gtggaccctt	agaaatgtta	ctgaggtaga	aggtccctga	attttagtca	aatttttttc
88501	tcactctctg	gcacacaaac	atctcacaaa	taagtccagt	gtgtttgcta	cttcttctgc
88561	actggatccg	atcagcataa	tgtcatcaat	gtaatggacc	agtgtgatat	cttgagaaag
88621	caaaaagtgg	tcaagatctc	tccaaataag	attatgatgc	aaagccagag	tttatatact
88681	cttgaggtag	gagagtaaag	atatattgct	agtcttgcca	gctgaaggca	aattgcttct
88741	agtgggcctt	atgaatagga	atggagaaaa	aggcatttgc	caagtcaatg	gctgcatacc
88801	aggtaccagg	aaatgtgtta	atgtgtctca	gcaatgaaac	cgtatctggt	acagcagctg
88861	caattggagt	caccacttag	ttaaagctat	gataatccac	tgtcattctc	caagatccat
88921	ctgtcttatg	cacatgcca	atgggagagt	tgaatggggg	tgatgatgaa	atcaccacc
88981	ttgcgccttt	caagtccttg	atcatgtgc	taatctctgc	aatccctcca	ggagtgatg
89041	attgtttttg	atttaccatt	tttctaggt	gaggcagctc	taatgccttc	catttggcct

FIGURE 2 (cont.'d)

89101	ttcccacccat	aataggccctc	accctaccag	tcagggagcc	aatgtgggtg	ttcttcacgc
89161	tgctaagtat	gtctatgcc	attatgcatt	ctggcactgg	ggaaatgaac	acaggatgag
89221	cctggggacc	cattggaccc	actgtaagtc	agacctgagc	taaaactcca	ttaattacct
89281	cacctccata	agctcctgct	ttaactggag	gaccacaatg	acgttttgag	tcccttagaa
89341	ttaacgtcag	ctcagagcta	gtgtcctgta	atcccccaaa	tgactgataa	tttccctttc
89401	cccaatgcac	agttaccttg	ataaaaaggct	ggaggtctcc	ttgggaaaaa	atgggagaaa
89461	gattaacagc	ataaattggt	ggtagtgtag	tgggctcctt	ccttaatggg	acccaacttc
89521	ccttttattc	aaggggtctc	gtgtcctgta	actggctcaa	gtcaaaaatt	gattgagggg
89581	ccatgattct	ctatttttat	aattcaaagt	agtgttttgt	ccatttgacc	tggaggtttt
89641	ctgcttatat	aaattaagta	ggaaagaagt	aggcatccta	acaatttcac	ttctgggaac
89701	actgtgatta	attagcgaat	gccagaactc	tacatgagtc	agactattct	gattgctgct
89761	ttgccactac	tgtctgttat	ggtagtattg	cccaccttgc	ccttgatggg	tgagtgccac
89821	cacttggcct	ctgccacctt	gggatccaat	tattcccatt	gtatttacct	ttattagtgt
89881	agtgaactgt	gttctcacca	ttggatctga	tatgcagaga	attacggggc	tcttcaaaga
89941	tgcagggtct	accctcacag	atctattttg	caagggtattg	gtcaagggtg	tatcttctgg
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90061	tctaagcctt	tggatccctt	cctctacatt	aaaccaagag	tgatcagaca	tttccagctc
90121	cctcacagtg	gccatctttc	aatccatatt	tcagctaact	aagcaaataa	attattagaa
90181	ccttttttta	actcctgag	ctgcaatatt	aaatgcagag	tctctactta	gtgggcccac
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90421	ccataaggac	tttagtctgg	ttataggtct	agaagcagac	aggggtgttg	gggggtggctc
90481	ctgaggagaa	tcaacattat	tttgccctggc	aactgctcag	ggggggccat	cactgttgcc
90541	ttaggcagca	cagtgtttat	ctccccagac	aaatatggaa	aggctgatgg	cagcatgggt
90601	cagggagagg	atgtcaccac	tactggggat	ggggaagctg	ttttttttct	ggcaaaaaag
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90901	gcaatcttag	cagatttgag	gtcagtatc	tgcttctgaa	gccaggagtt	agaatcccta
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91021	tgtttccaca	tatggtcaaa	ggtattat	atagagtcac	taaactcctt	gcctctcatg
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91141	aaaggaaacac	tgaatcagtg	ttctccatac	tatcagaagt	agagtcccta	gcatttttga
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91261	caatgttctg	ttcctctaga	accactcctg	gtacaaaaat	ctgtgttagg	gttctctaga
91321	ggggcagaac	taataggata	gagatatata	agaaggaaaag	tttattaagt	attaactcac
91381	atgatcacia	ggtcccacia	taggatattc	gcaagctgag	gaacaaggag	agccagtcca
91441	agtctaaac	tgaagaactt	cgagtctgat	gttcaagggc	agggagcatc	cagtaccaga
91501	gaaagatgta	ggctgggaag	ctaggccagt	ttagtctttt	catgtttttc	tgccaacttt
91561	tcatattcta	gctgcaactg	cagctgatta	gatggtgccc	accaggtta	agcgtgggtc
91621	tgcccttccc	agcccactga	ctcaaatggt	aatctccttt	ggcaacacct	tcacagacac
91681	acctaggatc	aatactttgc	atccttcaat	ccaatcaagt	tgacactcag	tattaacctat
91741	cacagaagca	ttatctacta	ataccacctat	ataaaaagatg	cggatgttag	catagttatc
91801	acactgtttc	ctcacacaat	ccactaccca	tggcttggtt	tctatggaca	tattattgga
91861	tctgagccag	cttattataa	tgttttaaat	aatattcaag	aattgttaca	attgcatttt
91921	gaattgttat	tatttaataa	taggtcaatt	tctaaataga	ttcttgtcca	tagtcagatt
91981	ttacatcatg	atttcctcac	tcatgacatt	taaaagttta	tttgttaaat	ttagccaata
92041	tatacaagtc	tgcatttggg	gatgggtaat	tgaatgccat	ttttaatttt	tgggtaatgg
92101	agactttttt	tatgttgctt	ttatatattga	tccataacta	ggctatgtag	tacatttctg
92161	ggtcaaatct	ctattgcttt	aaaactttgt	ggttttgctt	cattatctcc	catgatctac
92221	agttactgaa	gtgatacgta	caaccagctt	tggacatgat	gaatgtttta	ggctaaagac
92281	ttgggtgttc	tttgggtctt	ggaagttttc	tttaatactc	tctttaaatt	tgtctgattc
92341	cacttcttgg	ttcccttttc	aggaacacca	agtattcaca	cagtggatag	tcactctgtc

FIGURE 2 (cont.'d)

92401	tctactttcta	aaatttttgtt	atttaacaaa	atgttataaa	agtagaatca	catttatgta
92461	accttttttgg	attgatgttt	tttgctcagc	ataatttctt	ggcaatccat	ccaagttgtt
92521	gcatgcatca	atcatccatt	cctttacatt	gctaagtagt	attccatgct	atgtatttac
92581	aacagtttgt	ttacccattc	acctgttgaa	aaacatcttg	gctgaatcta	gttcttagct
92641	attaatatta	taaacaaaga	tgctataaac	atttgtttga	cagttttttg	tgtgaagttt
92701	ttattttttct	gggataaaatg	cctgggagtg	caattgctgg	gtcatatgat	agttgtgtgt
92761	ttttcttttga	gaaactccca	aaattttccca	gagtggatga	agtattttat	gtttctatca
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92881	tttaattttta	gccattctga	tagatgagta	gtgatagctt	attgttgttt	caatttgcatt
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93061	ggtggatgaa	gagaggttgg	tatatgggta	caaaaataca	attaagacct	ctggtccatg
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93181	acctgaggtc	aggagcttaa	gaccagcttg	gccaaacatg	tgaaaccctg	tctctactga
93241	acatacaaaa	attagccggg	catggtgggtg	cgtgcctgta	atcccagcta	ctcaggaggc
93301	tgaggtggga	gaatcactta	aaccgggag	gcgaagtgtg	cagtaagccg	aggtcacacc
93361	actgcactcc	agcctgggca	acagagcact	ccagccgggg	caacagagca	agactctgtc
93421	tcaaaaaaat	aaaataaaat	aaagtaaaac	aaaataaaga	gttccaatcc	agcagagagt
93481	gtggtgagat	ggtgcgggac	cagctccctg	ggacttctga	gcctttgccc	tggccagtgg
93541	gggagctgag	ccaggatagg	ctgtagcctc	tgcccctgta	caccaggacc	cttgtggtgg
93601	ctgccaccag	gacccttggg	gtgggtgcct	gggccttgaa	gatgcagcaa	gcctcccttc
93661	cccctacacc	tcagtgcactg	aggggtggtg	tggcctttcc	caggccgcac	cctgcggggt
93721	atagacgaag	tcccactga	gcctggatgc	agtgcctttg	ggtgggtggtg	ggagtggcag
93781	gggcagcttg	gtgactatcc	gggtgtgagg	attgggaagg	tgctcttggg	atgcaggaca
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93961	tgggaaggtga	gtggaggcac	agaggaggac	agtgtggaac	agttagcagg	cattgggctg
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94081	cacacttttg	gaagatttat	tatctgcttc	tagaaggctg	tgtgtatatt	atgaaaaagc
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94201	gctgaataga	aacagctcag	gtgtgcagct	cacagtgaga	tcaatgcaga	aggtgggtga
94261	tttctgcatt	tccaactgag	gtacccggct	catctcattt	ggactgggta	gacagtgggt
94321	gcagcccatg	gaggtggaac	tgaggcaggg	tgggtgtgtg	cctcacctgg	gaagtgaag
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94801	gaggggctgc	tgccattact	gaggttgag	taggcagtgt	tcctctcaca	gtgtaaaca
94861	aactgcaagg	aagttccaac	tgggtggaac	acaccacagc	gctgccaggc	tgctgtagca
94921	agactgcctc	tctagattcc	tcctgtctgg	gcagggcac	tctgaaaaaa	aggcagaagc
94981	cccagtcagg	gacttataga	taaaactccc	atctctctgg	gacagagcac	ctgggggaag
95041	gggcagctgt	gggtgcagct	tcagcagatt	ttaacatccc	tgccctggag	ctctgaagag
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95221	gagctccagc	tggcatctgg	caggtgcccc	tctgggacaa	agctttcaga	ggaaggacaa
95281	ggcagcaatc	tttgctgttc	tgagcctcc	actggtgata	cccaggcaaa	caaggtctga
95341	agtagatgtc	cagcacactc	cagcagacct	gcagcagaga	ggcctgactg	ttagaagaaa
95401	aactaacaaa	cagaaaggaa	tagcatcaac	atcaacaaaa	aggacatcca	ctcagaaacc
95461	ccatccaaag	gtcaccaaca	tcaaacacaa	aaggtaggta	aatccatgaa	gatggggaga
95521	aaccagcaca	aaaagggtga	aaattccaaa	aaccagaatg	cctcttcttc	tccaaaaaat
95581	cacaacttct	caccatcaag	ggaacaaaa	tggatggaga	atgaatttga	tgaattggca
95641	gaagtaggct	tcaaagggtg	ataataacaa	actcctctga	gctaaaggag	aatgttctaa

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FIGURE 2 (cont.'d)

95701 cccaacgcaa ggaagcaaag aaacttgaaa aaagattaga tgaattgcta actagaataa
 95761 cgagttttaga gaagaacata aatgacctga tggagctgaa aaacacagca caagaactta
 95821 gtgaagcata cacacatatc aatagctgaa tcgatcaagt ggaagaaagg atatcagaga
 95881 ttgaagatca acttgacagaa accctataag ccagaagaga ctaggggcca atattcaaca
 95941 ttctttaaaga aaagaatttt caatgctgaa tttcatatcc agccaaacta agcttcataa
 96001 gtgaaggaga aataaaattc tttacagaca agcaaattgt agacattttg tcgtcaccac
 96061 gectgcatta caagagctcc tgaagggagc aataagcatg gaaaggaaaa aatggtgcca
 96121 gccactgcaa aaacatgcca aatggtaaag accatcaacg ctatgaagaa actgcatcaa
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 96241 ttaaccttaa atgtaaatgg gctaaatgcc ccaattaaaa gacacagact ggcaacatgg
 96301 ataaagagtc aagacccatc agtgtgcagt attcaggaga cccatctcac atgcaaaaaac
 96361 acacataggc ccaaaataaa gggatggagg aatattttacc aagcaaattg aaagcaaaaa
 96421 acaaaacaaac aaacaaacaa acaaaacaaac aggggttgca atcatagtct ctgataaaac
 96481 agacttttaa ccaacaaaga tcaaaagaga aaaagaaagc cattacatag tggctaagaa
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 96961 cttacatgga aactgaacaa cctgtcctcg aatgactgct ggataaataa tgaaatgaag
 97021 aaggataaag atgtgtttg aaaacaataa gaataatgta ccagaaactc tgggacatat
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 97141 gatctaaaat cgacacccta acatcacaat taaaagaact agagaagcaa gagcaaacaa
 97201 attcaaaagc tagcagaaaa caagagataa ctaagatcag ggcagaactg aaagagatag
 97261 agacatgaaa aacccttaaa aatcaattaa tcgctctccc tctccctctc cctctccctc
 97321 tccgtctccc tctccgtctc cctctcccca cgtctccct ctccctctct ttccacggtc
 97381 tccctctgat gccagccga tctctcctg tactgtctgc atctcggctc actgcaacct
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 97681 acagctcatt gagaaggggc catgatgaca atggcggttt tgtggaatag aaagggggga
 97741 aagggtggga aaagattgag aaatcggatg gttgcctgt ctgtgtagaa agaagtagac
 97801 atgggagact tttcattttg ttctgtacta agaaaaattc ttctgccgtg ggtcctgtg
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 97921 ttaaatggat taagggtggt gcaagatgtg ctttgttaaa cagatgcttg aaggcagcat
 97981 gctccttaag agtcatcacc actcccta atctcaagtacc cagggacaca aacactgcgg
 98041 aaggcagcag ggtcctctgc ttgggaaaac cagagacctt tgttcacttg tttatctgct
 98101 gacctccct ccattattgt cctatgacct tgccaaatcc cctctgcca gaaacacca
 98161 agaattgatca ataaaaaaat aaataaataa aaataaaaaat aaaataaaaaa
 98221 aagaaataaaa cacaaataaa atgttaaaat tccatttcta cataaaatca tctatagatg
 98281 tttttaaata tacaacatga ttatcaagga cttaatctgt accacattct tgtagatgta
 98341 aagttaaaaat tcttgttaacc atcactctca accctacct atcttccagc ataaatgaga
 98401 ctttcacatg ttttctcttg ccagatgga gacactaact gtaggctttg gaaatgtctt
 98461 aaaaaaaaaa aaaaaaaaaa gagagccagg catcttcaaa cagagaaaag ctggttgaaac
 98521 acatttatct aagtctatca aaagctatga ttgttagcaa gaggtaacct tgtaatgcca
 98581 aggcagaaaa ctgccaccaa accacaaaaa gcttgttcaa ctgctgaacc taaaattaaa
 98641 caatttatct ctcatataaa aaaaaaaatc aattaatcca ggagctggtt tttttttaa
 98701 gatcaacaaa atagatagac cactagccag actaataaag aggaaaagag agaagagtca
 98761 aatagacata ataaaaatg ataaaggaga tatcaccact gatcccacag aaatacaacc
 98821 taccatcaga gaatattata aacacctcta tgcaaaataa ccagaaaatc tagaagaaat
 98881 ggataaattc ctggacacat acacctccc aagactaaac caggaagaag tcaaatccct
 98941 gaataagcca ataacaact ctgaaattga ggtggttaatt aatagcctac caacccaaaa

FIGURE 2 (cont.'d)

99001 aagtcaggga ccagacggat tcacagctga attctaccag aggtacaaaa ggagctggta
99061 ccattccttc tgaaactatt ccaaacaata gaaaaagaga gaatctccct aactcatttt
99121 acgaggccag catcatcctg ataccaaagc ctggcagaga cacaacaaaa aaagaaaatt
99181 tcaggccgaa atccctaatt aatattgatg caaaaatcct cagtaaaatt ctggcaaac
99241 gaatccagca gcacatcaaa agccttatcc accatgatca agttggcttc atccctggga
99301 tgcaaggctg gttcaacata tgcaaatata tgaacgtaat gcatcacata aacagaacca
99361 atgacaaaaa ccatgtgatt atctcaatag atgcagaaaa gaccttcgac aaaattcaac
99421 agcccttcac gctaaaaact ctcaataaag tagatattca tggaacatgt ctcaaaaaca
99481 tcagagctat ttatgagaaa cccacagcag ccaatatcat actgaatggg caaaaactgg
99541 aagcattccc tttgaaaact ggcataagac aaggatgcc tctctacca ctctattca
99601 acatagtatt gggagttctg gccaggcga tcaaggcaaca gaaagaaatg aaggatattc
99661 aattaggaaa agaggaagtc aaattgtctc tgtttgcaga tgacatgact gtatatttag
99721 aaaaccccat catctcagcc caaaatctcc ttaagctgat aagcaacttc agcaaagtct
99781 tgggatacaa aatcaatgtg caaaaatcac aagcattcct atacaccaat atacagacaa
99841 ccgagagcca aatcacgagt gaactcccat tcacagttgc tgcaaaagaga ataaaaact
99901 taggaatcca acttacaagg gatgtgaagg acctcttcaa ggagaactac aaatcactgc
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100621 acaaatggga tctaattaaa ctaaggagct tctgcacagc gaaagtaact accatcagag
100681 tgaacaggca accaacagaa tgggagaaca tttttgcaat ctatccatct acaaaagggc
100741 taatatccag aatctacaaa gaacttaaac aaatttaca gaaaaaacaa acaattccat
100801 caaaaagtgg gtgaaggata agaaaagact cttctcaaaa gaagacattt atgcagtcaa
100861 caagcatagg aaaaaaagct catcatcact ggtcattaga gaagtgcAAA tcaaaaacac
100921 aatgagatac catttcatgc cagttagaat ggccatcatt aaaaagtcaa gaaacaacag
100981 atactagaga gcatgtggag aaataggacc acttttacac tgttgggtgg agtggaaatt
101041 agttcaacca ttgtggaaga cagtgtggta ttcctcatct tcaccacggg gtggagggtac
101101 gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn
101161 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn
101221 aacgcataatt cctgaaaggg atggcaaggt ttttttaaag gttttatggg tttaggtgta
101281 ctctaaagga ttttaacctc tctaaaatta tttttgtata aagggtgaag aaagggtacc
101341 aacttcactc ttttacaaat gggaagccag tttttcccg cccctttttt taaaaaggat
101401 tccctttccc attggttggt tttttcaagg ttgtcaagaa tcagaagggt gtagatgtgg
101461 gttggttaatt tttaggggtt tgttttggtc ccattgggtc ataggtcggg tgtggtacca
101521 gggccatggt gttttggtta ctgtaagcct cgtagtattg tttgaagtca ggtagcatga
101581 tgctccagc tctgttcttt tggcttagga ttgtcttggc aatgcgggct cttttttggg
101641 ttccatatga actttaaagt agtttttccc aattctgtgc agaaagtcat tggtagtttg
101701 atggggatgg cattgatcta taaattacct tgggagtatg gccattttca tgatattgat
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101881 taggtatttt attctctttg aagcaattgt gaatgggagt tcaactcatg tttggctgtc
101941 tgtctgttat tggatatata gaatgcttgt gatttttgca cattgatttt gtatcctgag
102001 actttgctga agttccttat cagcttaagg agattttggg ctgagacgat ggggttttct
102061 agatataaaa tcatgtcatc tacaacagag gacaatttga ctctctctt tccataattga
102121 atacccttta tttccttctc ctgcttgatt gccctggcca gaacttccaa cactatgttg
102181 aataggagtg gtgagagagg gcatccctgt cttgtgccag ttttcaaagg gaatgcttcc
102241 agtttttgct ccttcagtat gatattggct gtgggtctgt cataaatagc tcttattatt

FIGURE 2 (cont.'d)

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102301 ttgagataca tcccatcaat acctaattta ttgagagttt tcagcatgaa tgggtgttga
102361 attttgtcaa aggccttttc tgcattctatt gagataatca tgtgtttttt gtcatttggtt
102421 ctgtttatat gctagattac atttattgat ttgcgtatgt tgaaccagcc ttccatccca
102481 gggatgaagc ccacttgatc atggtggata agctttctga tgtactgctg gattcggttt
102541 gccagtattt tattgaggat tttcgcatcg atgttcatca gggatattgg tctaaaattc
102601 tctttgtttg ttgtgtgtct gccaggtctt ggtatcggga tgatgctggc ctcatataat
102661 gagttaggga ggattccctc tttttctatt gattggaata gtttcgcca actgacatga
102721 tttttaaaat tccctatagg gtcaatgtgc agattttaaag atccctacac tcagtagtcc
102781 tgggataggg tcgggggatc catatgttta acaagcagcc tagagtctcc cgatagcctg
102841 ggcaagcttt aaaaagccct gcggacattc ggatgaaaca aaggtgcaca gaacctatat
102901 ctctgccatt tattagctgg gggccttagg caaggaaggt agtcaacctc cgtattcctc
102961 agttcctcaa ctgtaaaatg gggatgatga ctgtggctcc ctctgggggt tgtgacggag
103021 gaacagggga catatgtcct gggatcagca ctggcaattt ggccattctt accatagcac
103081 ctgccatctt ggtgacagcc tggacacaaa gccttcacac ctttgaagtg gccatagaga
103141 gcatgagata tggatgggga ggaggcattc caactaaaga cccctgcttt gggccaaaaa
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103261 ctgcaattgt gcgttgagaa tccactctat ggccaacata tcatcaaagc gtttggtcctca
103321 gctaggctgt tcccccaacc caaggacccc atgaggaaag gagtgagggt tccaccccca
103381 gcaccagcca ctggaggggc tgccagaggt cctcagttc tcgtaaactt acgctttgga
103441 gtaattcaga acaaagtcca ctctttttc actatcaaac tggatatcac ggggtaaatc
103501 cttgtggcat ttggcatcga tgcctcaagg gaagccaggg ttccactcca tccatctgag
103561 catgagaaag gagaagaaat tgagttaaat gccagccttt ggtctgcccc ctcagctgag
103621 ggcgcccac actgtcacag gatgttacac agggagattg atgtactcaa aataaagtc
103681 acacatcata ggctgacctt gtgtccagta aggttctggg acctctcca aagtccagtc
103741 gcaccaactt tgctgtgccc tgagcatcag agtgggaacc ctgagactgg gcttatagt
103801 gtacaggtgt gcaccactgc ataaaaagtt ctgtaggtag tctagggaga cctcacttac
103861 tagaggtgac attgaacagt agaggcctgc cttgccagtc actggaggta gaaggtatta
103921 aggtgcccc gccacgcccc acctggacat ccaccattct gccacttga tcagtgtgtg
103981 ccctggactg cgtgcatgtc ctgcatgtgg catttgggga aatgggacag ttcttctgccc
104041 ttcacaatag gacgacacgg cagcaggtgg cctgggagag ggaccacggc atagatggct
104101 aaaaggcttc cctctctcac ctgctggcca atagcagctt tagagattat tacaatcaaa
104161 acagcttccc caaagacaag ccacggactg catccagtaa acatgctcag atcctgacat
104221 ccttgaaacg tatcccgtag cattgggcat ttgtgttttt gaaaaatgtt tattttgctt
104281 ttttgtttac ttattgagta aacttaaatt gtgaaaatgt cagaggtgtt tgaaccacag
104341 caactccatc ttgaataggg gctgggtaaa ataaggctga gacctactgg gcagcattcc
104401 caggaggtta ggcattctaa gtcacaggat gagacaggac attgatgcaa gatacagggc
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104521 taagatggtg atgaaagtga cctctgttca tccctaccac tcatttatatg ctaattataa
104581 tgcattagca tgctaaaaga aactcccacc agtgccatga cagttttaca atgccatagt
104641 aatgtcagga agttacccta tatggtctaa aaaaggagg aaccttcagt tccctggaatt
104701 gccacccct ctcttgaaa actcatgaat aatccactca ttgttttagc catgatcacg
104761 aagtgactgt aagtatgctc agtcgagtag cccatgctac tgctttgctt atggagtagc
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105241 gtatgatcct tctgacagca aaggcatttt gtcaagtgtt ttctgttatg tggcacctta
105301 catttctcac tgttggttta tttagaatat tctacgtcct cagattttta gaaaacctc
105361 catttttgct gtttgtatta atgccaatga tagtatatta acaaggataa aaatgtggac
105421 aagtctacac attttttgtt tgtttgtttt ggaaaatgac tcaaggcatc tccaatatat
105481 atctaaaatt gagccattca gtacgctcac tggtagtaat gatcaattaa ttagctatca
105541 ttagtcatat caattttaaatt attactgatg attttctctt tgcttgagca gttcaagggc

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FIGURE 2 (cont.'d)

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105601 tctagttaat tttaaaagct cagtggagct agatgttttt cagtatgtaa acaatgagcc
105661 atgcaagggc atctgtgcc gcaaatggca ttaatgtttt cttaagttaa tagtccactt
105721 ggacggatgt ggaatacttc ttcagcacca aaaagacott ctggcccat gccctgccct
105781 ggtctatgga ggggtggcagc accaatgggc agaaatgccc cacttggtgtg gttagaagat
105841 gatggcctca cagcacatgg agacaggaca gcttgcttgc tagttcacta ctgccccctt
105901 gaaaccaaatt gtttatgtcc cttccactgc aggtcactgc tgcttaagag accctgacag
105961 gctgacctgc acaggagccg aaggcctgca tggccacaga cattaactgg tggagatgga
106021 atcccaactcc attgaggaag accaagtgga acaccaggc agaaggaaca aagaagtaga
106081 aaggcatttta atttattgga aaaaaaatga gagagagaga gaaagagaga gagagaaagc
106141 aagagagaca gagagacaga gagagagaga gagagaaaga gagagagaga aagcaagaga
106201 gacagagaga cagagagaga gagagagaga gagagacaga cagacagaga gatcctaagg
106261 ggatgcagtt agtataattg gagtgtaaaa agactttctg taaccacaaa catgattttct
106321 gaatgaagac ttcaatagag aaacagacaa agagaataat cactgtgaga tgtttgggtct
106381 cttgtatttaa aagaaaagct ttagacaaat taaatttagc agtttaattg agcaaagaac
106441 aattcaagaa tagggcagcc cctaaaccag agcaggctcc gagtgacttt gatgctgtct
106501 catagtgtgga taggattttat gggcagaaaa aggaacgtga tgtacagaaa atggaagtga
106561 ggtacagaaa cagccagatt ggtgatggct cagcatttgc cttacttgag cccagtttga
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106741 acagagaaac ttttaggctg aatttaaaat atgtaaggag aaaagtttaa gctaaactca
106801 ttaacaccta gaagagagaa ggtgttcatt cgacaactaa ttatggagca cctactatgt
106861 gccaggaagt gctttgtgca aaatagaaga acatgtaacc caaatacagg gtgaaactac
106921 aaagaaatgg aagccataaa tgaaactatg agagacataa accaaaaata aaattctaag
106981 cccctgaact gactgatgga cctccctctt ggccaagggc attccaaagt taacctgaaa
107041 aattagttca ggccatgata ggaatgggtg gctaaacgtg cctcattgta ctctcctct
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107161 gaacagactc ttttagattg ataagaaaca tttacaattg attctacctg aagcctgcta
107221 cctggaggct tcatctgcat gataaaaaaa tttgtttcca caacccttta tcttaaccta
107281 gacattccaa gtttttagat aataattctt ttaagcagtt gccaatcaga aactctttga
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107401 cactgtocat cttacatgta ttgactgatg tcttatgtct ccctaaaatg caaaaagca
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107581 tcttttctatt aacagacatg aaagccagat acagatgtaa tatgcaagga gtaaaagctc
107641 caaaaggaga gagagtaata tatggagaag tgaaaaaaat caaagaaata aaagaagaac
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108781 tgcatataaa aactacagca aatataatag taacaaaaga aacaaaaata tgagagggat
108841 gttcatcact actaccacta cttgttttgg gaattccaga catggaataa gaaaagaata

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FIGURE 2 (cont.'d)

108901	tcagtggtgt	agataatgga	aagtaagaga	caaaattatt	aacattttaga	taatattgagc
108961	acatttaacta	accagactca	ctaacaacaa	acaaacaaaa	acaagtgtatt	agaaccaatg
109021	aaagaattca	gtaagggacc	aacacacagt	aaatgtaaga	aacaagtaat	ttacattttat
109081	cccagcaata	tttttgcaaa	cagaaaaata	tcctactcag	aacagcaaat	gctaaatgta
109141	gagtagctag	aaaggtgaag	gacctgcatg	aagaaaaacta	gaaattctat	ggaagtacgt
109201	tgacacagga	tctagagagg	tggaagagaca	cgctgtgttc	ctggatggaa	agactgaatc
109261	tcagtaaaat	gccaacacat	aacacagtta	tgtgaagtcc	aaagtaattc	tcattatgaa
109321	aaacttaaga	aagaacagt	agatatgtaa	cagacattaa	cattttattag	aaagttatga
109381	taaccaaaag	ctggtgctgg	ggtctcgagt	agaaaaatag	gctaacacat	aaagtgcgga
109441	aacagaccca	gagactatgt	atacataata	caaaactcgc	caacacttat	ccagtgcctt
109501	ctatgtgcct	actactattc	tctgtgtttt	catggtttta	cctattatct	caaaccoccta
109561	aaaggaaggc	actgttattt	ccctcatttt	acagatgagg	gaagtgaggc	acagacagat
109621	taaacaactt	tcacaggact	ggagaaagt	ccagtaagt	tgagttgagc	ccagacactc
109681	gaatccagag	ctcatgactg	ccatcctatg	ccagcttgta	ccgtgggtat	catcatccct
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109861	acgcctgtag	ccccagctac	ttgggaggct	gacgtgggaa	gatggattga	gcctgggtta
109921	gtttgaggca	gcagtgaacc	atgatcatgc	caactgcactc	cagcctagga	aacagagcaa
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110161	taaaataaag	aactaaaatc	tctgtgtggca	aaagcaacag	aagacaaaata	ataaatgtcta
110221	tacatatgta	acaaacggat	actatcctga	tatagaaaaga	gctccttttag	attaataatt
110281	gaaagaacaa	tagggaaaaa	aagccttataa	ataggcaatg	cagtgtatgct	tattagtgggt
110341	caggggagtg	cagactaaaa	caaccacaag	gtcttaggga	tttttagact	gtcaaacaag
110401	gtcatcgggt	actgacaaat	gtatggatgg	gcaaaagtat	cttttcatac	acagctggta
110461	ggaccgcaaa	ttacgatata	attttgtgaa	aggatttttg	tcggtatttc	ttaagatgaa
110521	aaaatgctga	tttgttccag	caatctgagt	tctggaaatg	gatctgccat	taattaaagc
110581	accagtacat	caagatgttt	gtacaagggt	ggttcttgga	gcattgtttg	tactgcaata
110641	cccaaaaacaa	acaaacacat	ctacaaatgg	gaaatgaact	gaacgtcagt	gaatagggga
110701	atggctaagt	aaattatggt	gcattcccag	aaggcaagaa	atagtagcag	tttaagaagg
110761	ggaaaatata	tgagatacta	tttcacacgc	aagaatgaaa	acatctgaag	atgcgaagt
110821	ttgatgatgc	agggaaacag	tgaatctcag	aaacagttac	tggggtgtct	actggcagaa
110881	tgccttttga	aaacaatcag	caatatctag	aaagcttaaa	aacacgtggt	ctgcaaccct
110941	gcaactctac	ttcttggaat	attccctaca	gtaactcttc	catgagagca	cagagagatg
111001	tgtgagaaaag	ctcactgtcg	cttggttttg	aacagctaga	aattaaagac	agcccgcctg
111061	cccatacagca	ggagagcgga	cgagcgcagt	ggttattcag	atactgatat	gccatgaaga
111121	agtttaactgc	atgaaccaca	tctatctgtg	tcaaccagat	cctcttcaat	acttagtgat
111181	gagtgaaaag	tgcaggtcac	ataatgatta	gattaaatta	tatcgattaa	caaacaccta
111241	cactttgcca	tttactgtct	tgtgtgagtg	tgcatgtaac	acagacagat	gtggtcacag
111301	tgggagagca	caagctgtgg	gctatgacct	gggtctgctt	ctccttctcc	ctgcgtggct
111361	gagtgagtaa	ggagggcctg	caagaagcgc	cagctttctg	acatagtgtg	gactattcct
111421	agtcattgct	ttacttccaa	actctgatct	ggaagcctga	gaaatcttct	gagaaagagg
111481	aactccaaga	ttgtgcagac	agtgcaaaagt	tcagtgtttc	ctgaacggaa	gcaaaggagg
111541	gtttctgaaa	aggacagatg	agtggaaagga	ggaagaaaaa	aatgattaaa	tctaagaaag
111601	ggggaacga	tctcaccaga	agccccctgc	tgcaagatta	tgataatgtt	aagttagctcc
111661	cagataattg	ggctagtgtt	tgttatctta	gatgagtaga	tagcaaagtc	taattagagc
111721	cccactaatt	catactaaag	tgttagtggc	ttataacaaa	ttaaatgaat	tttatgggca
111781	ttttatctta	acccagattc	acaggccaga	agtgtctctga	gaactggctg	caggggcttt
111841	gccataggtg	tctgaaacag	ggaggggaagc	caaggaagaa	gcatagaaac	aacagccctt
111901	tgggatggga	ggcagagctc	aagcacaacg	tgtgcactgc	accaggtatg	gaagtctgga
111961	aacacatcat	atggtgcctg	agctgagagg	cttgtgcaca	aatactctaa	aacaaatcac
112021	acatttataa	acccttaaca	tgacccacag	cacagcaggt	tactctccca	cacttgatgc
112081	taatggcatg	taagttttat	ttttgatctt	tcaattggga	aatagaatat	ataaaatatg
112141	tatggatatg	tatatatgca	cacacacact	cacacatgca	gaaaaatgta	caaaacacct

FIGURE 2 (cont.'d)

112201 gtacgaacac catccaggta aaaaatcaga acattgtccg taccctcacc cccacctttc
112261 ccaatcaacc ctccctccat ccccggtaat gaccatcctc ggctttatga taatcatttt
112321 cttgttattg ttttaaggttc cgctatgaca cacctcccta aacaatttca ttccaaagtt
112381 atgaattggc cagacacgct cctggcttct ttccttcaac actgcgtcag tgagggttgt
112441 ccatgttagc agcagtttgt tgattttcct tgcagtgtag aattttcctt gacaatttgt
112501 ctgttctact gtttgttggc cattgagttg ttgccatttt ttggccatca tgagtaatgc
112561 tgttgtgagt atccaggcgc acatgcacac aaatttggat cccactatag gatttctggg
112621 tcatagatta taatgtagct tcagttttat gacatattgc taaattgttt tccacggagg
112681 tcttaccaac ttgtcctcct gccggtggta tatgagtgtt cccagccctc tggatcttct
112741 ttaataactca ggtgttgtca gttgttgaag tgttgcccat ctgggggcat atgtgtggta
112801 gtagcagcag ttcactgtga tcttctgatt tccccgagtc ctaatgaagt tgaacacctt
112861 ttgtatactt gctgcttata ttttgtacag taagtactca aacttcttgc ccattttcta
112921 gtgaatgaca ctcccccttct taaagatttg taggtccttc acatactagg aataattctc
112981 gtcaatcact ccatgacttg ccttccactct ctccctgggt ctttcaatga acagagtgtc
113041 cttatcttga gggaggcaaa cttaccaatc ttttcccttg tgtttaatat gttctgagtc
113101 ttgtttgaaa aatcctttta gcttgagacc tggagaata atcacctgta gtctaaatgt
113161 cttacagttt tgcctttaac ttttaagtct aatcaacccc aagctgagtc tctgaatgg
113221 caagaggtgg agtctgattt cttctccttc tccctcagcc ctccgtgctg gctggccct
113281 gtctcagaga tgcagtgtcc gtggcccagt gccaccatc agccgagccc tccgtagcag
113341 acccagtacc cacatacgtg tggctgtttg ttgtttcttt attctgtttc aagggaatgtt
113401 tttgatgaaa aggggggatga agctaagaca gttttgaggt ggggcaattg tgttcttggg
113461 gtgggatttc tcaccccttg acagcagtg gtggctgggc atagggaag aaggagctac
113521 aggttgagg gatgctgttg caacttagaa aaattaagaa aatgaagat attgctcagt
113581 tatggcaagt gtttgatgaa acagggaccc atacatggct cgtgaaaact ggtaaagat
113641 tttttttttt tttttttttg agacggagtc tgcctctgtc gccaggtcg gagtgcagtg
113701 gtgcaatctc ggctcactgc aagctccgcc tcccaggttc acgccattct cttgcctcag
113761 cctcccgagc agctgggact acaggcgccc gccaccacgc ccggctaatt ttttgtattt
113821 tttagtagag acgggggttt accgtgttag ccaggatggg ctcgatctcc tgacctgggtg
113881 atccacccac ctccagcctcc caaatggta aagatttttg aggagaaat tgtcaatgta
113941 tactaataac ttttactatt tggtaatttc atatctgggc atctgtccta ggaaaatact
114001 taataatgta taaaaatttc acatacaagg gttttcactt tgcttataag aatacaaaaa
114061 ttagaaaact cctaaatgtc cagggaagct ggggtgttta gtgaatgatg aggcattccat
114121 ccaatggaat agtacataga aactagaata atgtttatga tgagattttg aaaatatggg
114181 aaaaatgattt ttgctacact gctaaagggc agcaaggagg atgcaaagt gtatatatag
114241 cacaatccca aatttttaaaa agtgaataag acaaagtga aacaattaaa catgaatttt
114301 tatgaaaaag ttcataaaat tcataattca tacagaaaaat aggtattttt ctggctctat
114361 attatttttc ttcttttact tttttgagtt aaaaaaacia cccagatata ctacattatc
114421 cttgttaagaa gttcaactat tgagggatag gttagaaaagt atcacatat tggctcccaa
114481 agggccctcc acagcccagg taacttcaact gtccatgtag aatgattcct tccactttct
114541 tcccttgga ggaggcacag actcaaatgt tccaggggc caaagcagga aatgaaatga
114601 aagaaaacct tgatatagac aacagacaag tgtggactgg ggaagcctga agaatatctc
114661 tgtttactca taagtcaata atgatccatc aaacacttgt agaggctgga tacagcccat
114721 cagccaccca tttccagagg agcactctgt aatgtgttat tatcttccaa aaagctttac
114781 tgagatacat ttacatacca ttaaatcac cccttaaaaa tatgctatca aaagatttta
114841 atatatttgc agagttgtat gtgtaacct cattataacc caattctgaa ataactctcat
114901 cccagagga cacctcgaac ccattaacat tcaactcctg tttccctctc ccaactccta
114961 gtgctaggca actactcacc tactaacctg actctgtggg tttgcctatt ctggacattt
115021 catacagata gaatcacaca atatgggggtc ttccgtaagt gagttttcca tttagcatat
115081 ttttgaagtt cattcagttg ttggcatcta tctgtagttc atttcttttc ttttcttttc
115141 tttttttgaa atggagtctt gctctgtcac ccaggctgga gtgcagtggc gggatctagg
115201 ctcaactgaa cctccgctc ccgggttcaa gtgattctcc tgccttagcc tcccaagcag
115261 ctgggattac aggcgtgcac caacatgccc ggctaatttt tgtatttttg tagacatggg
115321 gtttcacct gttggccagg ttggtctcaa actcctgacc tcaagtgatc tgccgctc
115381 aacctcccaa agtgctagga ttacagagtg gagcctccgc gcttggcatt catctctttt
115441 tgatgccaaa aaatatccca ttgtatggat aaactatatt ttgtttatc attcctcagt

FIGURE 2 (cont.'d)

115501	taatggaatt	taggttggtt	ctactttttg	actattgtga	acaatgggtg	tataaatatg
115561	tgtgtacaag	ttttgtatag	acatgtgggt	tcaatattct	tgggtagagg	cctaggagta
115621	gaattgctgg	gtcatattgt	agctgggttt	cagattttga	ggaaccacta	aactgttttc
115681	tgaagtggct	gcatcatctt	acattccggt	agcagcatca	gggttccagt	ttctccacat
115741	ccttggcagc	acttgttact	atctgtcttt	tttattctaa	ccattttagt	ggttagaatt
115801	gtatcttgtg	gttttgattt	gaaatttcct	gatgattaat	aatgttgagc	atattttcac
115861	gtgcttattg	gagattcaca	aattttctct	ggagaactat	ttaattaaat	cctttgctaa
115921	tttttaaacy	gggttttttg	tacagaatat	tttaaaattg	agttgtcaga	gttctttata
115981	tattctggat	acaagtccct	tatcagacat	atgatttaga	tattttctcc	attctgtgga
116041	ttgtcttttc	actttattga	tgatgtcctt	tgaagcatag	atcttttaca	ttttaatgac
116101	atctaacttg	tctactttct	tttgtgcctt	gtgctcttgg	tgccatatct	aagagacttt
116161	gccgaacca	agattatgaa	gacttacttg	tatgttttct	tccaagagtg	ttatgttgtt
116221	agcccttact	tttagatcta	tcattccattt	tgaatttaatt	tttaaaattt	tctagcagcg
116281	ttattgaaat	ataatgcaca	tactgtaaaa	tttatccatt	taaagtgttc	aattcaagga
116341	tgtttagtat	taatttttac	acaatggaca	accatcagtt	ttagaacatt	ttcatccccg
116401	gcaaaaaggaa	caactgtatcc	tttagctgtc	actcccatga	ccacttcttc	attccctgcc
116461	cctaggcaac	cagtaatcta	ctttatatct	gtacagattt	ttcttttcca	gaaatttcat
116521	ataaaaaggaa	tcatacaata	tatgatcttt	tgtgactggg	ttcttttact	tagcataatg
116581	tttttgagat	tcattccatgt	tgtaacaagt	gtcagtatct	cattcttctt	tcattggtcaa
116641	attatataga	tatactatat	tttatccatt	catccattaa	tggacgtttg	gggtgtgtac
116701	actttttgat	agttacaggt	catgctgtct	taatcatgca	tgtacaagtt	tttgtgtggg
116761	catatgtttc	catttctggt	gggaatatgc	ttaagagtgg	aaatgctgtc	atattgtaac
116821	tctctgttga	acagtcagga	gctagcagac	tgtttcccaa	gcagctgtgc	cattttacat
116881	tcccaccagc	agtgtatgag	ggttctgatt	tctccacatc	cttgtcaaca	cttgttcttg
116941	tcggattttt	ttattctagc	catcctagta	tcaagtggta	tctcattgtg	gtgttgattt
117001	gcatttccta	gatgactaat	gggtcccttg	agaaaatatct	attcagatcc	tcactcattt
117061	ttttcatttt	ttaattggac	tatttgcctt	tattgagttg	taagagttct	ttataaatta
117121	tggatgggaag	gcccttatca	gatatacaat	ttgtaaaat	ttcttccatt	ctgtgggtca
117181	tcttttcaat	ttcttgatgg	tgctccttga	aacataaagg	tttgtaaaat	tgatgacatc
117241	actttatcac	tttatctatt	tttcttttgt	tgtgatgctt	tttggtgtca	tatcaagagt
117301	cctttgtcaa	atccaaagtc	atgaagggtt	actcctgtgt	tttcttaaaa	gagttttata
117361	gttttagctc	ttacattttg	gtaggatatt	gactcatttt	gtgttaattt	atgtatatgg
117421	tgtgagctaa	ggatccaact	tcattctttt	gcattgtggc	atccagtttt	gctaggacca
117481	tttgttgaaa	agactattct	ttctctgtta	aactgtcttg	ctgcttctgt	caaaaattaa
117541	ttggccataa	gtgtaagggc	ttatttcttg	actctcaagt	ctatttccatt	gatctatata
117601	tctatccctt	tgccgatata	acattgtcct	gaatactata	gctgtgtagt	aattttgata
117661	ttgagaagtg	caagtccttc	atcctttgtt	tctttttatc	aagattgttt	tggctattct
117721	gggtcccttc	catttccata	tgaatttgca	gaattgacag	cttgtcaatt	tctgcaaaga
117781	aatcagctag	aattttgata	agggttgtgt	tgaacgtgta	cattaatttg	tggggtattg
117841	ccatttttaac	aaaatttaagt	cctctgattc	atgaacatga	aatgtctttc	aacctattta
117901	gatcttcttt	aataatgtta	aacaatgttt	tgtagtttca	ttgtacaagt	ctcagactac
117961	tttgtttaa	ttattcataa	atgtttactg	tttttgatgc	tattgtaaa	tgaacttttt
118021	cttactttta	tttcacatag	ttggttggtt	atgtatagaa	aaacaattga	ttatcttgta
118081	tcttgcaaat	ttggtgggtt	attagttcta	ataatttctt	ttggtgaatg	ccttcagatt
118141	ttctatatat	aagatcatgt	tatttgtaaa	ttgtggtagt	tttacttact	gtactccatt
118201	gtgggtgcct	ttacttatct	ttttattccc	taactgagct	ggctagaccc	tccagtacaa
118261	tgttgaatag	aagtagcaaa	agtgaacatc	tttatcctgt	ttctggattc	agcctttcat
118321	cattaagtat	aatgttaact	gtgaattttc	tttttttgtg	tatgtggggg	gacggagtct
118381	tgcttgcac	catgctggag	tgcatgggca	tgatctcagc	tcactgcaac	ctccgccttc
118441	tgggttcaag	tgattctcct	gcctcagcct	cctgagtagc	tgggactaca	ggcgcatgcc
118501	accacacaca	gctacttttt	gtatttttagt	atagacgggg	tttcaccatg	ttggccagga
118561	tgggtctcaat	ctcttgacat	cgtgatccac	ccgccttggc	ctcccaaagt	gctgggatta
118621	caggtgtgaa	ccaccacgcc	cagcctaatt	gtgaattttc	aaacctttat	caggttgagg
118681	acattttctt	caattcctat	tttttgagtg	ttttatcatg	aatgggtgtt	ggattttgtc
118741	aaatgccttt	tttgtatgtc	tattgaaatg	attatgtact	ttgttttgtt	ttgttattta

FIGURE 2 (cont.'d)

118801 ctctattgat atggtgaatt caattaattg atttttggat gttaaaccac ctttgcattc
118861 ctgggctaaa tcccacatgt tcatattggt taatgccttt tatatacttc tgggttaggt
118921 ttgctagtat ttcgttgaaa atgtttatat ctatattgct aagggatatt gggttatagt
118981 tttcttgtga tgcctttagt tttggtataa tatgggtatg agacaatgaa ttgggaagtg
119041 ttccttctat ttcttaaaag agtttatgca agatcagtat taattcttta aatgtttgat
119101 agaattagcc agtgaagcta tctgggtctg ggcttctatt tgtgggaaat tttagaatta
119161 gtaattcaat ctctttgggt gtgattgttt tattcagatt aactatttct toatgagtca
119221 gttttggcag tttgctgctt tctaggaatt tgcgcatttc atttaactag tttgttggca
119281 tgcaattggt catagtattc ttttttatta attttaattt ctgtattgat tttccctcat
119341 tttatgagtc tcatttttcc ttttttattc attttaattt ctgtattgat tttctcttat
119401 tgctcatttt aatgggttga atcctctggt cagttggctg aagagtgtgc aattttattg
119461 ctgatcatgt atcactttta taattgaatt gttataagaa gacataagaa gtaagaggca
119521 accoctacaa tggagaacat taaggtaaac tcaagctttt ctgcccattc ttctacatg
119581 ccaatatggt tgatccaaag ttattttcat tactctcttc tccatctctt gtctggaggt
119641 gtaggtaagg tgaagtttgg ggattgtgca cccacactgg gagctggtgc cttggtgact
119701 ttccagcagt gacaggccat acactgtgga aagggtttat ttcataccat gctcttgaga
119761 tagaagaaac catggccccc tggccactcg atctgatgtc ataactcacc gatattgttt
119821 ttgccgtgtt tccagttctt tacgtcgggtg ttgcttgaga atgtgaattt ggtcatctcg
119881 ggccaacttt gctgtaaaga aagaacaaca tgagaggagc ctgaggaaaga acaataacaa
119941 tgcccaatgc caagtgttca ggcttccctc agatgccctg cccatgccga gtgctttatg
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120061 tagggaagtt gtgtagcttt gctcttgaac tttacccaag gtcacacacc taattagtga
120121 attttctttt ttttttttta attctacttt aagttctagg atacatgtgc acaacgtgca
120181 gggtttgttac atatgtatac atgtgtcatg ttggtgtgct gcacccatta actcgtcatt
120241 tacattagtt atatctctta atgctatccc tcccccttac cccaccccca tgacagacct
120301 tgggtgtgtga tgttcccctt cctgtgtcca agtgttctca ttgttcaatt cccacctatg
120361 agtgagaaca tgtagtgttt gtttttttgt ccttgcgata gtttgcgtgag aagggtgatt
120421 tccagcttca tccatgtccc tacaaaaggac atgaattcat ccttttttat ggctgcatag
120481 tattccatgg tgtatatgtg ccacattttc ttaattcagt ctatcattga tggacatttg
120541 gggttggttc aagtcctttg tattgtgaat agtgctgcaa taaacatacg tgtgctgtg
120601 tctttatagc agcatgattt ataactcctt gggatatatac ccagtaatgg gatggctggg
120661 tcaaattggt tttctagttc tagatccctg aggaattgcc acagtgtctt ccacaaagg
120721 tgaactagtt tacagtccca ccaacagtat aaaagtgttc ccatttctcc acacctctc
120781 cagcacctgt tgtttcctga ctttttaatg attgccattg taactggtgt gagatggat
120841 atcattatgg ttttgatttg catttctctg atggccagtg atgatgagca tttttcatg
120901 tgtctgttgg ctgcataaac gtcttctttt gagaagtgtc tgttcatatc cttcgccac
120961 tttttgatgg ggttgtttgt ttttttcttg taaatttgtt tgagttgttt gtagattctg
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121081 ctgttccatc tgatgtagt tctttttgct gtgcagaagc tctttagttt aattagatcc
121141 catttgcca ttttggcttt tgttgccatt gcttttgggt ttttagacat gaagtccctg
121201 cccatgctta tgtcctgaat ggtattgcct aggttttccct ctagggtttt gatggtttta
121261 ggtctaacat ttaagtcttt aatccacctt gaattaattt ttgtataagg tgtaaggag
121321 ggatccagct tcagctgtct accataggct agccagtttt cccagacca tttattaaat
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121501 taccagtacc atgctgtttt ggttaactga gcttgtagt atagtttgaa gtcaggttagc
121561 atgatgcctc cagctttgtt cttttggctt aggattgtct tggcaatgcg ggctctttt
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121681 ttgatgggga tgacattgaa tctataaatt acctggggag tatggccatt tttatgatat
121741 tcattcttcc tatccatgag catgggatgt tcttccattt gtttgtgtct tcttttattt
121801 cgttgagcag tgattttagt ttctccttga agaggtcctt cacatccctt gtaagttgga
121861 ttcttaggta ttttattctc ttttagcaa ttgtgaatgg gagttcactc ctgatttggc
121921 tctctgtttg tctgttattg gtgtataaga atgcttgtga ttcttgcaa ttgattttgt
121981 atcctgagac tttgctgaag ttgcctatca gctttaagga gattttgggc tgagacaatg
122041 ggggttttcta aatatacaat catgtcatct ggaaacaggg acaatttgac ttctctttt

FIGURE 2 (cont.'d)

122101	cctaattaaa	taccctttat	ttctttctcc	tgccctgattg	ccctggccag	aacttccaac
122161	actatgttga	ataggagtgg	tgagagaggg	catccctgtc	ttgtgccagt	tttcaaaggg
122221	aatgctttcca	gtttttgccc	attcagtatg	atattgggtt	tgggtttgtc	ataaatagct
122281	cttattatatt	tgagatacgt	cccatcaata	cctaatttat	tgagagtttt	tagcatgaat
122341	ggttggtgaa	ttttgtcaaa	ggccttttct	gcactctattg	agataatcat	gtggtttttg
122401	tccttggttc	tgtttatatg	ctggattaca	tttattgatt	tgtgtatgtt	gaaccagctt
122461	tgcatcccag	ggatgatgcc	cacttgatcc	tggtggataa	gctttttgat	gtgctgctgg
122521	attcgggttg	ccagtatatt	attgaggatt	tttgcacga	tgttcacag	ggatattggg
122581	ctaaaattgt	tttttttgtg	tgtgtatctg	ccaggctttg	gtatcaggat	gatgctggcc
122641	tcataaaatg	agttagggag	gattccctct	ttttctattg	attggaatag	tttcagaagg
122701	aatggtacca	gctcctcctt	gtacctctgg	tagaattcgg	ctgtgaatcc	atctggctct
122761	gaacttttct	gggttggtag	gctgttaatt	attgcctcaa	tttcagagcc	tgttattggg
122821	ctattcaggg	attcaacttc	ttcctgggtt	agtcttgagg	gggtgtatgt	gtcaggaat
122881	ttatccattt	tttctagatt	ttctagttaa	tttgcttaga	gttggttata	gtattctctg
122941	atggtagttt	gtattttctg	ggaatccgtg	gtgatgtccc	ctttatcact	ttttattgct
123001	tcctaattgat	tcttctcttc	tttttttttt	cttttttttt	aattgatcat	tcttggtgtg
123061	ttctcgcaga	gggggatttg	gcagggtcat	aggacaatag	tggagggaag	gtcagcagat
123121	aaacaagtca	acaaaggctc	ctgggtttcc	taggcagagg	accctgcggc	catccgcagt
123181	gtttgtgtcc	ctgggtactt	gagattaggg	agtgggtgat	actcttaagg	agcctgctgc
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123301	tggaacacag	acatgtttca	gagagcacag	ggttgggggg	aaggctcatg	atcaacagga
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FIGURE 2 (cont.'d)

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128581	tttacaaaag	ccaaatccag	ttcctcatcc	tcttgccac	tcactcagca	agccttgggg
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FIGURE 2 (cont.'d)

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FIGURE 2 (cont.'d)

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10071411 020702

FIGURE 2 (cont.'d)

135301	ggtgggatga	gaggctcagg	cattgcatca	cgcattctga	tgaccagcag	gtttggaaag
135361	ccccggactc	gatgccctcc	aaggcatggt	cttttttatt	ttgaggtgga	gtctcactgt
135421	ggtgctcagg	ctggagtgca	gtggctcgat	ctcggctcac	tgcaacctcc	acttccaggg
135481	ttcaagtgat	tctcctgcct	cagtctccca	agtagctggg	actacaggca	cctgccacca
135541	catctggtta	agttttgtat	tttcagtaga	gacagggttt	cacctggttg	gccaggctgg
135601	tctcaaactc	ctgacctcaa	gtgatccacc	tgccctcggtc	tcccaaagtg	ctgggattac
135661	aggcatgagc	cactgtgcct	ggcccccgca	aggcactttc	taagccagat	tcatcaacct
135721	ttgaacttta	tccctggcgg	cagaacctag	agttctcagc	atgatggcaa	agtggaaggg
135781	gcgaggggta	tcatcctttg	tgcgagcgca	ggcatcccca	ttccatgccc	tgctccaag
135841	ctgccaggag	gacctctgga	gggcttcccta	agaggaatgg	gaacttgagt	gttttccaca
135901	aacctcctgg	ctctgaatac	cgtgagcagt	ttggggtggc	tgacgctgag	gccagacgct
135961	tgtggtcaga	aagcgggaagc	ttcctccctg	tgctctgtag	tctaggccag	aggccctagg
136021	aacagtttct	gatgacagag	gagccaggcc	catgtggtgg	gatgacatgt	cttgggtcca
136081	gccacatgtg	gaccagcctc	ggccccacga	caatgcccct	cctgcaggga	gagtatcagc
136141	ctcatctgcc	acctctgaga	aagccttccct	gccacagctt	gtcctcagga	gagcagggcc
136201	acacacaagg	cctcgcccat	catggacagg	gtgggcaggt	tctgatggga	caggagtctc
136261	agcatctcag	gggctcgggc	ccatctggag	gagcagagtg	ggggtgagt	ggcccaggac
136321	tggatacgcg	tccggcctgc	cccacgccag	gcccctgcatg	ccacagggat	ttacagaggc
136381	cttagctgca	ggttgtgagc	caagacagag	attcctgatc	ccaccgagga	gtggggagag
136441	ggcagtgagg	ggtagaaggc	tccgtggggc	ctggggtctg	gagctctgaa	ttcacatccc
136501	agcttcaggc	aagtagctgg	atggcctggg	cacattgctt	cattctctga	agctgtttct
136561	tcacttacct	aaaggagata	cccctcactt	gcaggaccat	tgagaaaatg	aatgacacc
136621	atcctgggtg	gcctcctttc	tccagaggca	caggccaccg	gttgtgtgca	tcagaaccac
136681	cagtgcctct	tccgtgaatcc	aggggggttg	agggcaccag	gccccacacc	cctgtgagc
136741	tagcatgggc	ccctgcgtca	cggccacttc	gtgactacat	gtgccaatcc	gagtaactgg
136801	agcacacatg	ggaggaggaa	actgaacctg	tgacctcaaa	ctccttccact	caaagcccag
136861	aaggaaactcc	tgaaaggctg	gagacagggc	tgtgaggaca	gagggagagt	gggaggcatt
136921	ctgaatgctg	gtggggcagg	cagagcaagt	ctgtgtgcgg	tgaggactga	ggggcggcca
136981	ccagaggccc	gggcctggtc	tgagtgtggc	tgctgcaggg	gaagtagctt	tcctatggct
137041	ctgaggggct	ggagagggag	gaaggtgtcc	ccaggggata	gatgacagga	aagctggggg
137101	gggggtggag	gagctaacag	ggcactctcc	atgggaggga	ggctcccagt	accttggact
137161	aagaggggag	ggagatgggc	tgaggaggca	ttccaggact	gggcagggtcc	cacaggggag
137221	gcccgatgtc	tacctggggg	tgacgaccca	cacgaagaga	ctgagcagct	tctctgaggg
137281	agtggacagt	ggggtgacct	tccagcacac	ctgtggtgca	gtcacagggg	actgggacac
137341	tcctggcccc	ctgccctacc	tacacctgca	ggcacctggt	ggagagcccc	tgagtttcac
137401	ttggggtgaa	atcactaggc	agattttacaa	ggactccatc	tgccatctga	cagggacttc
137461	cacagcagga	gggggccagg	cctgcagtct	ggctggtcta	tggccagccc	agccactttc
137521	ctggtgctgg	cttcaagcct	gaatatgata	agaggtgaac	aaggggcaga	gggctccagg
137581	cttgacccaa	ctcaggggagt	aaaagacaaa	gcttgatggc	tgtggttcta	acatcccagg
137641	ggccactaat	ggaagaatga	cagataaaag	cctccttcca	ggaaaatacc	agggtcacat
137701	gtgtcaaaact	gcaaaaatct	ttcggaagggt	ttgtggaact	acaatggcca	ccttccctccc
137761	tcctctctgg	gccaagtaca	ctgggctgat	gctatatattg	tctatttgct	gtgacacatt
137821	aaattctcag	gtgacacact	gaattatggt	gggcactatc	aacagtggac	accccccaac
137881	aggccctcag	gaagcactgg	gcctgggaat	ggccgagcga	gtgattatcc	tgctttacag
137941	atagaaaactg	aggctcagag	agcaatggtg	gcctcaagat	cagaacctac	acctgtgtga
138001	tggccaagcc	caggttcctc	ccacagttcc	ccaaggccac	atcttgagaa	aagccctgaa
138061	ccggaagcta	gaaggcccag	ctttgagccc	tggtttgtac	cctggatgga	gtgtaaaagg
138121	gcaatgtgga	gtggcatgga	aggacaggga	aaagcttcat	aagaggggat	ttcaggcagc
138181	ttttaggggc	tgatcagatt	tcagagggca	gatgagtagg	aggatgggca	tgggtagcac
138241	atttcagatg	tggggaactg	ggagggcagg	gtccccgggg	gattcacacg	tgggaggagg
138301	aaggctggac	acagttttctg	gggacagaag	tgggtggcgt	ggtggtgcag	atgctggaga
138361	gaaacaaggg	aaacctgcaa	ctcaccggcc	tcatttcaca	aggggocact	ttgctgattt
138421	tgcttgttgc	ttttaacttt	ttattggata	tgtagtttta	aagcttttga	atatttcggc
138481	aaagagtcag	ttggtcagtt	ttcatgtgag	ctttctatca	gcatttttagg	aaagttttca
138541	tctgtctttc	atcagatctc	tgctgttgct	gggacaggga	gacggatctc	tctgcggaag

FIGURE 2 (cont.'d)

138601	caaggatgtg	tgccccaccc	ccagactacc	catcttggag	ggggactaat	gaggggctgt
138661	gggaggagga	agctgtagag	cagagaggaa	gattgggggc	cagacaaaac	agagactcgg
138721	gatgagagag	ggggaggcta	tggggaagag	ctgaggaaaa	caagggacgg	agagagggat
138781	tggggtagtg	gatagggaga	ccaaggggca	gagaaggggg	aaaatgtggg	acagagagcc
138841	ggagattgag	ggagcagaga	aggggcctct	gagaggtggc	tgggaagacag	agtgtagagg
138901	aaaattcaga	gcaaaaaaga	agggagagtt	gtagggtaga	gagcagaaac	ggggggcatt
138961	tagggaactg	ggagcagggg	aaggaagagg	aggcagaaag	gggggcagaa	tgtagggaaa
139021	agatggctca	gagggggaga	ctgggagatg	agagacggat	tgagggtcat	accaaagaaa
139081	tatttatgct	ccactaatat	attcccatct	acaagaagga	ggtattctag	aattaatttt
139141	tcatgaatgt	aagaatactc	actgacttaa	gaagcatgaa	tcattataac	acttttctac
139201	acttggtgaa	catattcaag	tatcatatat	taaacaccac	gctattgccc	ttagctttct
139261	taaaagtacc	agcacagaat	gaaatgggcc	aactaagatt	tctcagaaat	cttcagatct
139321	gttacagtta	tcgtatccga	tctgaattac	tttaaattta	cagagttaaa	gaaataaatc
139381	aacttggttaa	atttgcttag	acttggttta	gcctctggaa	acagggccat	tctgtgtagg
139441	atcccggctt	tctccagcag	acagtgagga	gccaaaggaa	acacaaccgt	ttataggata
139501	atcccacctg	cgaaggactt	gattcccagt	cctgactgaa	tcactatgcg	gaactctgat
139561	gagaataaca	agggacctgt	gactcacttt	atcaaggaaa	aaatcagtc	tgtccattat
139621	ttgactgaac	tatgccctgg	aggagggggg	tgttgacctg	ccaataactt	ggaaatgatt
139681	aaattgtgtg	gaaataacct	tattgttatt	gttatcgtta	ctactgttaa	caatacagat
139741	tttaacactt	ttccctgtaa	aatgggataa	ccttgtcttc	tcagcaagta	cttcctctag
139801	ggtttctctt	ttacctttac	ccaaaaagga	tgattgtctt	tacagatacc	aagctgggag
139861	aatgaggaag	tagttctggg	ctgggcaaga	gaaagtgttg	agtaactttg	catcaacagg
139921	aactttctca	aaagctgatt	ttttcaagga	aactttcagc	cttagctggg	tccccacctt
139981	gcggtagccc	ccacccccaa	ccaccccccg	ccccaccctt	gacttatagc	cctctcaacc
140041	caatggaaat	gtgacatgca	aatctctcct	gaaatttgcc	cctgggattc	cggctgaggt
140101	gttttaattat	aatgtcatth	gaatgacttc	tcagggtagg	ggaagacaga	ccgagagagg
140161	gagatagtgg	acaaaacagt	gccttcaact	tttgtccgaa	gagcccgcga	tggccacggt
140221	atcatgtccc	ctgcaggagg	aaagcacaca	cgggggtgcc	gtgctgtgca	gtgtgagcac
140281	accaatggcc	tgtgcttcta	gaaccttatg	atgtgtggag	gagaatgggg	aggaggaagc
140341	acttacaaa	gggaagttag	ctgtaccctg	tccttctccc	ccagggtgtg	ggaatccatg
140401	aaataatgga	agtaaatgaa	ggtgcgtcag	aaatggcaga	gggtgccatc	accctaaatg
140461	gacgacacat	taactccagg	gcaccgcagt	cctcagggtc	agttccccga	ctggggcaac
140521	taagcaactg	aaggttgctc	ttgtactcaa	cacctaaact	ttcttgaagg	gagctcaagc
140581	caggatgcta	gtgaacttgg	ctgagggcca	tgtcgtgcta	cagcgagggt	atgggctcct
140641	ggataggaat	cgagcccatt	gagagcttgg	aatccagaaa	aagagtagtt	ttactttact
140701	ttaggctctg	cacacctaaa	acacaaatth	tatccaagag	taatcagttg	aaacatgaac
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140881	ggggtggaag	ggaactgata	ttccctgcgc	acctgcagta	tgtctgggac	tattaccagt
140941	catttacgga	gcgcttcctc	tgtgccagggt	actggattag	gcacttcatt	aaaggctcag
141001	tgagaactgc	gacctgccca	tgtcatgga	aaagagtcgt	ggggctggaa	ttcaggtcca
141061	gatcagcatt	aggaaactag	ttccaaatgc	tgagggtctc	ctcgcgtcct	cacacctagc
141121	gtggaagtgt	tccttggtgt	acattctgct	gggaggagg	gcagcccctc	catttaggaa
141181	aagcctctcc	tgccctgggt	tctgttcctt	ccctttaatt	tcctctgggg	actgtcctga
141241	gaatgtaagc	tgcccagggt	cogtctgagc	caccagatgg	gcctgggctc	acctatgact
141301	catggaccag	actgaagcca	accctccatt	ttcagctggg	gaaactgagg	cccagacaga
141361	cggtagagtg	agctggtggt	catgtctgga	cagaactcag	gcctctggac	ccgctgacgt
141421	gcacccctcc	ccacggctca	cagctggctg	ctccgagggt	ccctcagagt	tctgtgagca
141481	tgactcatct	gcctctccct	ccctgtgcga	cctgcagaag	gagcctaagg	aagagggtgg
141541	acaagaaacg	cggcccagtg	aagggggctc	cggagcctcg	gagcccagat	cttgaagtgg
141601	aggggaaacc	ttgggccttc	tctcccagg	gaagacgcct	tgcaggcggc	acgcgggaag
141661	tctccgtttc	cgacaggggt	cgcggccgcg	gcgaggggtc	ctggacgctt	gcccaccagg
141721	gtaccaccgg	gccactggga	gcccaggcca	cgccccaccg	cagttctgcc	ctccctgaca
141781	gggtccctga	caccccaggt	cctgtccggg	cgcgcccgac	gggcccctcg	cgcccccgcc
141841	caggcctctg	ccgtccaaac	cgggtcccg	acgcacctca	gcccgcgctc	caccctgtgc

FIGURE 2 (cont.'d)

141901	ccgcccgcgc	tcaccgcgcc	acgctcgaag	tcgttgtaga	agggcttgtc	cagcaggtgc
141961	ttctcgctgc	agcccgcgga	gcccacgagg	ctgaggtaga	tgtagtcgtc	agtgtcttca
142021	ccacgggggtg	aagtacggtc	cnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
142081	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
142141	ntttttgggt	tgttggtgtc	tctttgtttt	tgcgagcggt	ccttccgccc	cgtggtgaag
142201	acaagtgggc	gcctctgcct	ggccatccca	tctgggaggt	gaggagtgcc	tctgcccggc
142261	caccccgctc	gggaagtga	gagcgtgtct	acccagccac	cacgtctggg	aggtgaggag
142321	cgcttctgcc	tggccgcccc	atctgggaag	tgaggagcgc	ctctatctgg	ccacccttc
142381	tgggaagtga	ggagtgcctc	tgcccggccg	ccaccctgcc	tcggaggcga	ggagcacctc
142441	tgcccggcca	ccaccctatc	tgagaggcaa	ggaccacctc	tgcttggcgg	ccatcctgtc
142501	tgggaggcga	ggagcacctc	tgcccagccg	ccgccccacc	taggagggtga	ggagcgccctc
142561	tggccagccg	ccccacctgg	gaggcgagga	gcgctctctg	ctggccgccc	catctgggag
142621	gtgaggagcg	cctctgcccc	gccaccaccc	catctgggaa	gtgaggagcg	tctctgccag
142681	gcccggccgt	ctgggaagtg	tacccaacag	ctccgaagag	acagcgacca	ttgagaacag
142741	gccatgatga	cgatggcggt	tttgtcaaaa	agaaaagggg	gaaatgtggg	gaaaagaaa
142801	agagatcaga	ttgttactgt	gtctgtgtag	aaagaagggtg	acataggaga	caccattttg
142861	ttctgtacta	agaaaaattc	ttctgccttg	ggatgctgtt	aatgtacaac	cttaccctca
142921	accccgctgc	cgctgaaaca	tgtgctgtgt	caactcaggg	ttaaattggat	taagggtggt
142981	gcaagatgtg	ctttgttaaa	cagatgcttg	aaggcagcac	gctcattaag	agtcatcacc
143041	actccctaata	ctcaagtacc	cagggaacaca	aacactgctg	aaggctgcag	ggacctctgc
143101	ctaggaaaaac	cagagacctt	tgttcacctg	tttatctgct	gaccttctct	ccactattat
143161	actatgactc	tgccacatcc	ccctctctga	gaaacaccca	agaatgatca	ataaatacta
143221	aaaaaacaaa	ttaatttaatt	aaataaattt	catatggaac	caaaaaagag	cctgcattgc
143281	caagtcaatc	ttaagccaaa	ggaacaaaagc	tggaggcatc	acactacctg	acttcaaact
143341	atactacaag	gctacagtaa	ccaaaacagc	acggtactgg	taccaaaca	gaggtataga
143401	ccaatggaac	agaacagagc	cttcagtaata	aatgccacat	atgtacaact	atctgatctt
143461	tgacaaaacct	gacaaaaaca	agaaatgggg	aaaggattcc	ctatttcata	aatggtgttg
143521	ggaaaactgg	ctagccaata	aatggtgtag	ggaaaactgg	ctagccatat	gtagaaagct
143581	gaaactggat	cccttcctta	catcttatat	aaaaattaat	tcaagatgga	ttaaagactt
143641	acatgttaga	cctaaaacca	taaaaacctt	agaagaaaac	ctaggcaata	ccattcagga
143701	cataggcatg	ggcaaggact	tcatgcctaa	aacacccaaa	gcaatggcaa	tgaagccaa
143761	aattgacaaa	tgggatctaa	ttaaaactaaa	gagcttctgc	acagcaaaa	aaactaccat
143821	cagagtgaac	aggcaaccca	cagaatggga	gaaaattttt	gcaatctact	catctgacaa
143881	agggctaata	tccagactct	acaatgaact	caaacaaatt	tacaagaaa	aaacaaacaa
143941	ccccatcaaa	atgtgggcca	aggaaaagaa	cagacacttc	tcaaaagaag	gcatttatgc
144001	agccaaaaga	cacatgaaaa	aatgctcatc	atcactggcc	atcagagaaa	tgcaaatcaa
144061	aaccacaatg	agataccatg	tcacaccagt	tagaatgggtg	atcgttaaaa	agtcaggaaa
144121	caacaggtgc	tggagaggat	atggagaaat	aggaataactt	ttacactgtt	gggtggactg
144181	taaactagtt	caaccattgt	ggaagtgcgt	gtggcgattc	ctcagggatc	tagaactaga
144241	aataccattt	gacccagcaa	tcccattact	gggtatatac	ccaaagtatt	ataaatcatg
144301	ctgctataaa	gacacatgca	cacatatgtt	tattgtggca	ctattcacia	gagcaaagac
144361	ttggaaccaa	cccaaagtgc	caacaatgat	agactggatt	aagaaaatgt	ggcacttata
144421	caccatggaa	taccaagcag	ccataaaaaa	tgatgagttc	atgtcctttg	tagggacatg
144481	gatgaagcta	gaaaccatca	ttctcagcaa	actattgcaa	ggacaaaaaa	ccaaacactg
144541	catgttctca	ctcatagggtg	ggaattgaac	aatgagaaca	catggacaca	ggaaggggaa
144601	catcacacac	tggagcctgc	tgtgggggtg	gggggtgggg	gagggatagc	attaggagat
144661	atacctaata	ctaaatgacg	agttaatggg	tgagcacac	caacatggca	catgtataca
144721	tatgtaacta	acctgcatgt	tgtgcacatg	taccctaaaa	cctaaagtat	aataataaaa
144781	aaataagctt	ataaaatgct	tttaatgcta	tataacttta	taactctgaa	agaataatag
144841	atgtgtatta	tgctgtcagt	gagtaggtct	attaagtgat	aacattaaac	acaaatacca
144901	ccattttataa	agtatgattt	tgatatcatc	ggttgtgtat	tttaccctca	aactctgtag
144961	atagtaactt	tgttttctca	tttgaccatg	ctcaatcttt	agagaccatg	ctcttctctc
145021	aaaatgactg	taggttcac	caagtatgtt	tgctacccaa	aatcaatgaa	acacagtcac
145081	aaactatgtc	gtctaggaat	aaagccagct	aattagattc	ttattctaag	gaacaagaag
145141	agggcaggta	agaatttgat	tatggcagaa	ttctgacct	aatcaataac	tgttttctat

FIGURE 2 (cont.'d)

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145201 tttttctcca tgttgtcggg tggttcatac ctgactttca tcattttcaa tgattcctgt
145261 ttgttttggt tataaatctc aaaatcatca tgaaaagttt cactgaatga aaacctgaaa
145321 attgggaaat aaacattttt ctgcaaaaaa aaaaaaacaa tgaacactga cttctcctat
145381 ttctcaaagt catctcaaag ccatatgagg attaccacaa acttgcaggg gagaaaattc
145441 tttgcaatgt aagaagtgcc atgcaaatta gttgatgcta ttataattag tctcagggat
145501 caaaaatgct tgaaccctaa atctaactct tcaaaggaaa gcattatttt tcattcattt
145561 tacaagttac acctcccttc tccccacat ctttgtttag aatctggacc ctgaagttag
145621 aggaccaaga ttcaaatccc agcctcatca gtactagcta tgtgatattg ggaatgttac
145681 ttgatccctg cttatcttac tttctgcatt tattaatgg ggatgagaat aatatctacc
145741 caaataaggt gcccaatgca gtgcccacaa gcatgaagcc caataaaggt tagttaacat
145801 cacatccata attgacacct ttaggtatta gattttcatc atcccagaac attttccttc
145861 ttttaagcctt tttctttcta agtggcaact tcttggtatac tgattgcact cctcaciaac
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145981 ctgtaaaact gagtaatgac agtcacctcc cagggtctgt gtaagaatga atgagctaga
146041 gtatgtaaaa tatcttagca cagagtgtct aagaaattat tagttccagc caagcgtggt
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146281 atcacttgaa cccaggaggt ggaggttgca gtgagccgag atcgtgccat tgcactccag
146341 cctgggcaac aagagtgaag ctctgtctca aaaaaaaaaa aaaaaaaag aagaagaaga
146401 agaaagaagg aaagaagag agagagagaa agaaagaag aaagaagaa agaaagaag
146461 aaagaaagaa aaagaagaa gaaaagaaa gaaaagaaa aagagacaga aagaagaag
146521 ggaagaaaga aagaagaaa gaaaagaaa aagaagaaa gaaaagaaa aagaagaag
146581 ggaagaaaga aagaagaaa gaaaagaaa aagaagaaa gaaaagaaa gaaagagaga
146641 aagagaaaga aagaagaaa gaaaggagag acagaacgaa ggaaagaag aaggaattat
146701 ttcctttttt cccaccacg cctcaccaca aaccttggtg tggggataac atgtaaaagt
146761 gaacaaaact gagaagatca catcgcatat gcactcagcc tctagtggga gacacaggca
146821 ataaacagga aaagttaaaa acagtactag gtagtgggtg gtgcaattag cctcccgag
146881 cataaaggga ggagaataac cagtggctct ttcattgcaga gaatcagggt agacctctgg
146941 ggagagacc cactcagac tgggatggaa ttattttatt tatgctgtgt cagttaggag
147001 tagaggtgct ctgtcgtgat tatctaactt tgggaggaac aatgtcagac gggtttcaag
147061 atgagtatga gaattggtct tccttctgaa aaaacaagaa ttgagttcac actaatcaca
147121 aatacatcaa gcctatttga gtctgtgtgt tgtcatggat tgaagtgtat ctttccactt
147181 agtcaagaag ttccaatgag aagaatgctc cttaacttcc taagtgcac agagtagttg
147241 aactgagcca tggatggtaa atctacttaa gaaagcacat gccatggaaa gatagcattg
147301 gctgccctgc ctacttctga tggcacagcc ttgcaggaag ggaaagaagc caagaggcaa
147361 aagcctggtc ttgttctgaa aggcacaagg aggtggaaga ttaggggaaa ctcacccaaa
147421 aatgactcag ctctgaactc agactcaaga agccacaata agcaacatga atggaactgg
147481 agggaaataa accaggcgta gaaacacaaa tgttgcatat tcttactcat gtgggaacta
147541 aaaacatgca tttcaaggag aatagaatga tggttatcag agactgggaa cagtttgtgg
147601 tgggggtggt aagagaggtt gcttaatggg tacaacata tagttagata gaaggtataa
147661 gttctaattg ttgacagcag agtaggagaa ctatagttaa cagtaataa ttgtatactc
147721 caaaatagct agacaggag atttgaaatg ttcccaacac atagaaatga caaaagcttg
147781 aggtaatgga taccctaaat atcctgactt gatcattaca cagtctatgc gtgtaacgaa
147841 ataccatatg taccacataa atattgtaca atattatgta tcaataaaaa tttttaaaaa
147901 gaagctgcaa tcaacatttc atcattatct tttcagcagc atccttacia agttacagag
147961 acatcttaag atgtatccct ctctctctga atcttctctg gatagaacaa atgaaaacta
148021 aacaaggagt gggctgggag gagctgtcaa catccatcct aaggaaaagt ctgttagggc
148081 tatgagcttc ctctgtccta gagtagagct gggaaaatag agtcttgaca attgatttct
148141 tattctttct ttctctaaat cccaatgaa tatgtttttc tttttagtgc tcagtggtag
148201 acagggttta attctgttta gttatgcaaa caggccagaa gaaactgaaa taggctataa
148261 atgtttgaag ctggccaaaa gaagatgtag tcacacaaga taccctctgg aggaaagtga
148321 ctgtcaggaa agtcactttc ctgaccagca aaaggaccag cactattttg tctgtctgaa
148381 gaagtacatt tgtcctgctg ctgtcatggg gacagtggct ccagggtctc cctgtgacat
148441 gccacaagtt ccactccatg agtcaggaga tcatcggtgc agctgggggg aacttagggt

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FIGURE 2 (cont.'d)

148501	tgctctcttg	agcttagcct	tatgctgcgt	gtctgctttg	ccaaccacaa	aaacgatagt
148561	ttcatagcaa	gttgcaggct	ccctggaac	ttaacctacc	tactaggata	catttacago
148621	tgcttttctc	ctggcatcag	gctggagatc	aagaaataca	taaaacatag	tccctgccct
148681	cagttagctc	agaatatggg	gggggaatgg	agacagaagc	aaatactggt	gggacaagtg
148741	acgatggggc	aaaatatggg	cttaaacaaa	ggttgtggga	gctcagaaaa	ggagcaactc
148801	actctgcctg	aaagagtcac	ggagggtccc	acggaaaaag	caacatttgt	gcaggaggag
148861	attagaacac	agaggagaag	gatagcagca	ctccagatga	aggggaaggaa	atgtgccaag
148921	atttcatggg	aatgagaaga	tgtaaactgc	tcaggaaaaa	ccatggttga	agctcttcac
148981	agtggctgaa	gcatggtgtg	attgtcagtt	ttgcttgtca	acttggtcag	gctgtagtag
149041	tcaactattc	aaccaagcac	tgatctaggt	attgctgtga	aggtattttg	tagtogcaat
149101	taacctctac	aatcagttga	ctctatttaa	aggacattat	tctgtactat	ctgagtggac
149161	ctgatccact	tcatcccaaa	ggtaaatgat	tctccaacag	tgttctcatc	tacatctagg
149221	gcttggaaga	tgaagggtga	ggagaatatg	gaaaaacaac	aagaaaaaag	tcaatcaatc
149281	agaacttcca	gcccgtgtgt	tgtagttcca	ctttatgttc	aaccagtagt	tctccacttt
149341	tatctgcttc	cttgtaagat	ttcatctgaa	aaagggaatt	cactcttcag	gtgttggaag
149401	tcaattatga	gagaagcact	tacagaatga	ctatctgaag	agctctgcag	acattctcca
149461	gagtaaaaca	accataaccg	gtgaaaatta	aaaacaaaca	aaataaaaaa	atgttagagt
149521	attggaaaatt	gttctaaggg	ccgacagcaa	atgaagaaat	ccaagaaagc	ctaccaattt
149581	cagtgaagagg	agtgaagagc	tatggtgttg	agtctatggt	gtttaagtgc	tgttcatttc
149641	ctccctctcc	tgcaatcagt	tcagtgaaac	agaaaccctg	ctccagagat	gtgcagccaa
149701	aaagacaggg	tgccctttcc	cctcagctcc	caatctaggg	cagactacca	gcatttccca
149761	agcccatctc	tggtctctatg	ttgcagaagt	tctattccaa	gaaagttaga	ctgagaatct
149821	gaagcttcc	tcttccactc	agcctctact	attaaggcgt	aagtctctatc	cccagtgcca
149881	cgggccaaga	atactgatgc	tgaatgtcct	tgctccgcta	cactcatagg	gcagagattc
149941	catgggagga	gtgaagtttc	cattccagaa	aaggcagaaa	aacagaaatt	actgccaat
150001	ccagtacccc	accataaaag	aaggaaaagc	atctgagaaa	agcatgacac	tgcccccaaa
150061	accacgtgca	gagtagtggc	agtagaggca	gtaggagagc	tagaggacct	gcctagaggg
150121	agaagtaggc	cataagaaga	aaagtctcta	gttctcccta	aagggacaaa	ctttattttg
150181	aacagaacat	gcggaagtgc	aagcctaagg	gcactgtcaa	aaacaatgaa	tatttttggtg
150241	gaagcaaat	aataggttta	tgccctacta	gtgagagcaa	caaaactaaa	cataaacccag
150301	ctagacatat	acaataaaaa	tccaagaaaag	agagagccaa	gaagggcctt	cctgaggtta
150361	aaacaaacat	caaagtcttg	tctgaaaaac	tgctcctgca	aaggaagcaa	aatatatttg
150421	gatcagactg	tgagagcaatt	tatgccctta	aaaagctgtc	aaaacaaaaa	gagcaattat
150481	ctagcaattg	ctggagggtta	acagttgggt	atgataccaa	aagaggcaaa	caactgaaca
150541	gatcagagaa	agaggcagtc	aaagagagca	ctgctaaatg	cactgtaatt	ccaatttgag
150601	agaaaaatgtg	cccagtgctg	tgactccctc	aggaacaaca	tcagaggcca	caaattatgg
150661	tggaatatagg	cttcactata	tagtctagcc	aggcaattaa	acaaataaac	aattaaacaa
150721	cagtaacata	gtgagggggg	cagaaatgag	tattgcaact	agctagaaca	tatttttgaa
150781	caaaaaaatt	atgagtcaag	cagagatatg	gaaaagacag	agccatacac	cagaaaaaag
150841	gtaagcaaga	gaaactgcct	ttgtgagtgc	caagatgtca	gacatagcag	aaaaaaaacc
150901	tcaaagtaat	tattataaat	atgttcaaaa	actaaaagaa	aatgtgctta	aaaaataaaa
150961	gatggtatga	taatttcttg	tcaattcaaa	aataccaata	atagattaaa	aatatttttt
151021	caaaagttaa	ttaaccaaatt	ggaaattctg	gggttttaaa	gtaaaaataac	aacaataaga
151081	acattttgtc	agaggaaaatg	aacaatagat	ttgtaccaga	aggaaaaata	atcaaataaa
151141	cagggaatttc	atcaacacca	aacctgtctt	acaagaaata	ctaaaggagg	ttcaatctga
151201	aagaaaagaac	attaacaagc	aacaggaaat	catctgaagg	tacaaaaactc	actgtacctt
151261	cagatgataa	taagtctctca	aaaaacacag	aatattataa	cactgtaatt	atggtgtgta
151321	agctacttat	atcataagta	gaaagaggaa	aagatgaact	gattaaaaaa	caattacaac
151381	agcttttcaa	gacagtataa	taagatatat	aaataacaga	aagcttaaaa	gcataataat
151441	aaagttaaaa	tgtagagggtt	tttttagttt	tctttttgct	tgattgtgta	tttattttatg
151501	caatcagtg	tgttttcatc	agcataaaaat	aatgggttat	aagatagtat	ttgcaagcct
151561	catagtaacc	tcaaatttaa	aaacatacaa	tgtatacaca	aaaagtgaag	agcaagaaat
151621	taaaaacata	cacaaaaaaa	aataacttca	ctaaaaagga	gacagggaag	aagaaaagat
151681	gggagagaag	atcacaaaaa	aaccagaaaa	taaataacaa	aatggcaagc	aagtccttat
151741	ttgtcaataa	taatatggaa	tgtaaatgga	ctatactctc	cagtaaaaaag	atacagagtg

FIGURE 2 (cont.'d)

151801 gttgaatgga ttaaaaaaaaaa ggacccaatg atctgttacc tacaagaaat aaacttcaact
 151861 tataacaata cacagactaa aaataaagtc atgggaaatg atacttcacg acaatggaaa
 151921 ccaaaaaaga acaggagtag ctataccttt atcagactaa atagatttca agacaaaaat
 151981 tgttaagaaa aaccaaataa ggctcattata taatgataaa gagatcagtt aagcaagagg
 152041 atgtaacaat tgtaaatata tatgcactca acattggagc acctagataa ataaaaacaaa
 152101 tattattaga gctaaagaaa gatagacccc ctccccaaa acaataatag ctgtagattt
 152161 caatgctcca ctttcagcat tggacagatc ttccagacag aaaatcagca aggaaacatc
 152221 agatgtaatc tgaactatag accaaatggg cctaataagt atttacagaa tatttcatcc
 152281 aaaggttaca gaagacacat ttttctcctt agcacatata tcatttctca gaacaggcca
 152341 tatattaggt catgaatcaa gtctcaaaac attcaaaaaa actgaaataa tctcaagcat
 152401 cttctttgac cacaatggaa taaaactaga aaccaataac aaggggaatt ttggaaacta
 152461 tacaaaaaca tggaaattaa acaatatgtt cctaaatgat aagtgggtca atgaagaaat
 152521 tatgaattga attgaaaaat ttctaaaaac aaatgacaat ggaaacataa tgcaccagaa
 152581 cctatgggat acaacaaaaa cagtaccaag agtgatattt ccagataagg gcctacatca
 152641 aaaaggaaga aaaacttcaa gtgaataacc tgatgatgca tcttaaagaa ttaaaaaaggc
 152701 aagagtaaac caaaccocaaa attagtagaa gaaaagaact aataaagatc acagtagaaa
 152761 taaataaaaat tggacttctg ctccaagatg gcctaataga aacagctcca gtctgcagct
 152821 cccagcatga ttggcacaga agatgggtga tttctgcatt tccaactgag gtaccagggt
 152881 catctcattg ggactgggtg gacaatggat gcagcccatg gaggggtgagg tgaagcaggg
 152941 tgaggagtca cctcaccccg gaagcacaag tgattggggg atttcccttt cctagccaag
 153001 ggaagccgtg acagactgta cctggaaaaa cggttcactc ccacccaaat actgtgcttt
 153061 tcccatagtc ttagcaaccg gcagaccagg agattctctc ccaagcctag ctcatcaggt
 153121 cccatgcccc cggagcctgg ctcaactgta gcacagcaat ctgagatcaa cctgcgaggc
 153181 tgcagctggg tggggggagg ggtgtcagcc attgtctgagg actgagtagg taaacaaagt
 153241 ggccaggaag ctcaaaactg gcagagccca ccgcagctca gcaaggccta ctgcctctat
 153301 agattccacc tctgtgggca gggcataact gaacaaaagg cagcagacaa cttctgcaga
 153361 tttaaacgtc cctgcctgac agctctgaag agagcagtgg ttgcccagc atggcatctg
 153421 agctctgaga acagacagac tgccctcctca agtgggtccc taaactccat gtagcctaac
 153481 tgggagacat ctccccatag gggccgacag acacctcata caggtgggtg ccactctggg
 153541 acaaagctct cagaggaagg atcaggaagc aatatttgct cttctgcaat atttgcgtgt
 153601 ctgcagcctc tgctggtgat accaggcaa acagagtctg gaatggacct ccagcaaaact
 153661 ccagcagacc tgacgtgag ggacctgact gctagaagga aaactaaca acaaaaagga
 153721 atagcatcaa catcaacaaa aaggacattc acacaaaac ctcatctgta gtcaccaata
 153781 tcaaagacca aaggtagata aaaccacaaa gatggggaga aaccagagca gaaaagctga
 153841 aaattctaaa aactgagcac cgcttctcct ccagaggatt gcaactcctc accggcaacg
 153901 gaatgaagct ggggtggagaa tgactttgac aagttggcag aagtaggctt cagaaggctg
 153961 gtaataacaa actactccaa actaaaggag catgttctaa cccattgcaa ggaagctaaa
 154021 aaaccttcaa aaaaggttag acaaatggct aactagaata aacagtgtag agaggaactt
 154081 aaatgacctg atggagctga aaacogtggc atgaggacat catgatgcat gcacaagctt
 154141 aaatagctga ttaaatcaag tggagaaaag aatatcagtg actgaagatc aaattaacaa
 154201 aataaagcaa gaagataaga ttagagaaaa aagagtaaaa agaaatgaaa agcacctcca
 154261 agaaatatgg gactatgtga aaaaacccaa tctacacttg attggtgtac ctgaaagtga
 154321 tgggggagaag gaaaccaagt tggaaaacac tcttcagaat actatccagg agaacttccc
 154381 caaactagca aggcaggcca acattcaaat tcaagaaata cagagaacac cacaagata
 154441 ttcttcaaga agagcaaccc caagacacat aattgtcagc ttcaccaagg ttgaaatgaa
 154501 ggaaaaaaat gtaagggga gccagagaga aacgttgggt taccaacaaa gggagccca
 154561 tcagactaaa agtagctctc tcagcagaca ccctgtaagc cagaagagag taggggtcaa
 154621 tattcaacat tcttaaagaa aataattttc aaccagaaat ttcatatoca gccaaactaa
 154681 gcttcataag tgaaggagaa ataaaaatcct ttacagacaa gcaaagtctg agagattttg
 154741 tcaccatcag gcctgcctta caagagctcc tgaaggaaac actgaacatg gaaaggaaac
 154801 actgttacca gccactgcaa aaacacgcca cattgtaaag accatogatg acatgaagaa
 154861 actgcaacaa ttaactggca aaataagcag ctcacagcat aatgacagga tcaagttcac
 154921 acataacaat attaacctta aatgtaaatg ggctaaatgc ctcaattaaa gacacagact
 154981 ggcaaattgc atagagtcaa gaccatcag tgtgcggtat tcaggagacc catctcacat
 155041 gcaaaagacac acatagggat ggaggaagat ccaccaagca aatggaaagc caaaaaaaa

FIGURE 2 (cont.'d)

155101	aaaaaaaaa	aaaaaagcag	gggttgcaat	cctagtctct	gataaaacag	agtttaaacc
155161	aacaaagatc	caaagagaca	aagaaagcca	ttacataatg	gtaaagggat	caatacaaca
155221	agaagaacaa	actatcctaa	atatatatgc	aaccaatatg	ggagcaccca	gattcataaa
155281	gcaagtctgt	agagacgtac	aaagagatgt	agacttccac	acaataataa	tgggagactt
155341	taacactcca	ctgtcaatat	tagacagatc	aatgacacag	aagggtcaca	aagatatcca
155401	ggacttgaat	tcagctattc	accaagtggg	cctaatagac	atctacagaa	ctctacaccc
155461	caaatcaaca	gaatgtacat	acttctcagc	accacatcat	acttattcta	aaattgacca
155521	cataattgga	agtaaaacac	tcctcagcaa	atgtaaaaga	acagaaatca	caacaaactg
155581	tgtctcagac	tacagtgcaa	acaaattaga	actctggatt	aataaactca	ctcaaaatca
155641	cacaactaca	tggaaactga	ataacctgct	cctgaatgac	tactgggtac	ataatgaaat
155701	gaaggcagaa	ataaagatgt	tctttgcaac	caataagaac	aaagacacaa	cataccagat
155761	tctccgggac	acatttaaag	cagtgtgtac	agggaaaatt	atagcactaa	atgccacaa
155821	gagaaagcag	gaaagaacta	aaatcaacaa	cctaacatcg	caattaaaag	aactagagaa
155881	gcaagagcaa	acacattcaa	aagctagcag	aaggcaagaa	ataactaaga	tcagaacaga
155941	actgaaggag	atagagacac	aaaaagcact	tcaaaaaaat	caatgaatcc	aggagctggt
156001	ttttaaaaag	atcaacaaaa	ttaatagacc	gctagcaaga	ataataaaga	aaagagagaa
156061	gaatcaaatt	agactcaata	aaaaaagata	aaggggatat	caccactgat	cccatagaaa
156121	tacaaactac	catcagagaa	tactataaac	acctctacat	aaataaacta	gaaaatctag
156181	aagaaggggg	aggagccaag	atggccaaat	aggaacagct	ccagtctaca	gtcccagcg
156241	tgagtgcacac	agaagacggg	tgattttctgc	atttccatct	gaggtagccg	gttcatctca
156301	ctagggagtg	ccagacagtg	ggcacaggtc	agtgggtgcg	cgactgtgt	gcgagccaat
156361	gcagggtgag	gcgttgcttc	actcgggatg	tgcaaggggt	cagagagttc	cctttcctag
156421	tcaaagaaaag	gggtgacaga	tggcaacctg	aaattcgggt	cactcccacc	tgaatactgc
156481	actttttcaa	cgggcttaaa	aaacggcgca	cctggagagt	atatcccgca	cctggcttgg
156541	agggtcctat	gccacaggag	tcttgctgat	tgctagcaca	gcagtctgag	atcaaactgc
156601	aaggcagcgg	cgaggctggg	ggaggggggc	ctgccattgc	ccaggcttgc	ttaggtaaac
156661	aaagcagctg	ggaacctcaa	actgggtgga	tcccaccaca	gctcaaggag	gcctgcctgc
156721	ctctgtaggc	tccacctctg	ggggcagggc	acaggcaaac	aaaaagacag	cagtaaccac
156781	tgcagactta	aatgtccctg	tctgacagct	ttgaagagag	cagtggttct	cccagcacgc
156841	actgggagat	ctgagaacgg	gcagactgcc	tctcaagtgc	ggtccctgac	ccttgacccc
156901	cgagcagcct	aactgggagg	catccccgag	cagaggcaga	ctgacacctc	acacagccgg
156961	gtactccaac	agacctgcag	ctgagggtcc	tgtctgttag	aaggaaaact	aacaaacaga
157021	aggacatcca	cacaaaaaac	ccatctgtac	atcaccatca	tcaaagacca	aaagtagata
157081	aaaccacaaa	gatggggaaa	aaacagagca	gaaaaactag	aaactctaaa	aggcaaagcg
157141	cctctcctcc	tccaaaggaa	tgcagttcct	caccaggaat	ggaacaaagc	tggacggaga
157201	atgactttga	cgagctgaga	gaagaaggct	tcagatgatc	aaattactcc	gaactacggg
157261	aggacattca	aaccaaaggc	aaagaagttg	aaaacgttca	aaaaatttag	agaatgtat
157321	aactagaata	accaatacac	agaagtgttt	aaaggagctg	atggagctga	aaaccaaggc
157381	tcgagaacta	cgtgaagact	caggagccga	tgcatcaac	tggagaaaag	ggtatcagcg
157441	atggaagatg	aaatgaatga	aatgaagtga	gaaggaaagt	ttagagaaaa	agaataaaaa
157501	agaaatgaac	aaagcctcca	agaaatatgg	gactatgtga	aaagaccaa	tctacatctg
157561	attggcgtag	ctgaaagtga	cggggagaa	ggaaccaagt	tggaaaacac	tctgcaggat
157621	attatccagg	agaacttccc	caatctagca	aggcaggcca	acattcagat	tcaggaaata
157681	cagagaacgc	cacaaagata	ctcctcgaga	agagcaacac	caagacacat	aattgtcaga
157741	ttcaccaaa	ttgaaatgaa	gggaacaatg	ttaagggcag	ccagagagaa	aggtcgggtt
157801	accctcaaag	ggaagcccat	cagactaaca	gcggatctct	cggcagaaac	tctacaagcc
157861	agaagagagt	ggtggccaat	attcaacatt	cttaaggaaa	agaattttca	aaccagaatt
157921	tcatatacag	ccaaactaag	cttcataagt	gaaggagaaa	taaaatcctt	tacagacaag
157981	caaattgctga	gaaattttgt	caccaccagg	cctgccctaa	aagagctcct	gaaggaggtg
158041	ctaaacatgg	aaaggaacaa	ccggtaccag	ccgctgcaaa	atcatgccaa	aatgtaaaga
158101	ccatcgaggc	taggaagaaa	ctgcatcaac	taacgagcaa	aacaacctgc	taacatcata
158161	atgacaggat	caaattcaca	cataacaata	ttaactttac	atgtaaattg	actaaatgct
158221	gcaattaaaa	gacacagact	ggcaaatatg	ataaagattc	aagacccatc	agtgtgctgt
158281	attcaggaaa	cccatctcac	gggcagagac	acacataggc	tcaaaaataa	gggatggagg
158341	aagacctacc	aagcaaatgg	aaaacaaaaa	aaaggcaggg	gttgcaatcc	tagtctctga

FIGURE 2 (cont.'d)

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158401 taaaacagac tttaaaccac cacagatcaa aagagacaaa gaaggccatt acttaatggt
158461 aaagggatca attcaacaag aagagctaac aatcctaata atatatgcac ccaatacagg
158521 agcaccacaga ttcataaagc aagtcctgag tgacctacaa agagacttag actaccacac
158581 attaataatg ggaaacttta acaccccact gtcaacatta gacagatcaa caagacagaa
158641 agtcaacaag gataccagg aattgaactc agctctgcac caagcagacc taatagacat
158701 ctacagaact ctccaccca aatcaacaga atatacattt ttttcagcac cacaccatac
158761 ctattttcaaa attgaccaca tacttggaag taaagctctc ctacagaaat gtaaaagaac
158821 agaaattata acaaaactgtc tctctaacca cagtgcatac aaactacaac tcaggatgaa
158881 gaaactcact caaaactgct caactacatg gaaactgaac aacctgctcc tgaatgacta
158941 ctgggtacac aacgaaatga aggagaaat aaagatgttc tttgaaacca atgagaacaa
159001 agacacaaca taccagaaat tctgggatgc attcaaagca gtgtgtagag ggaaatttgt
159061 agcactaaat gccacaaga gaaagcagga aagatccaaa attgacaccc taacatcaca
159121 attaaaagaa ctagaaaagc aagagcaaac acattcaaaa gctagcagaa ggcaagaaat
159181 aactaaaatc agagcagaac tgaaggaaac agagacaaaa aaaacccttc aaaaattaat
159241 gaatccagga gctggttttt tgaaaggatc aacaaaattg atagaccgct agcaagaata
159301 ataaagaaaa aaagagagaa gaatcaaata gatgcaataa aaaaatgataa aggggatatac
159361 accaccgatc ccacagaaat aaaaactatc atcagagaat actacaaaca cctctatgca
159421 aataaactag aaaatctaga agaaatggat aaattcctcg acacatacac tctccaaga
159481 ctaaaccagg aagaagtga atctctgaat agaccaataa caggagctga aattgtggca
159541 ataatacaata gcttaccac caaaaagagt ccaggaccag atggattcac agccgaattt
159601 taccagaggt acaaggagga actggtacca ttccttctga aactattcca atcaatagaa
159661 aaagagggaa tcttccctaa ctcatcttat gaggcagca tcatcctgat accaaagccg
159721 ggcagagaca aaacaaaaaa agagattttt agaccaatat ccttgaggaa cattgtgccc
159781 aaaatcctca ataaaatact ggcaaaccac atccagcagc acatcaaaaa gottatccac
159841 catgatcaag taggcttcat ccctaggatg caaggcttgt tcaacatatg caaatcaata
159901 aatgtaatcc agcatataaa cagaacaaa gacaaaaacc acatgattat ctcaatagat
159961 gcagaaaagg cctttgacaa aattcaacaa cacttcatgt taaaaactct caataaatta
160021 ggtattgctg ggacgtatct caaaaataa agagctatct atgtcaaac cccagccaat
160081 atcatactga atgggcaaaa actggaagca ttccttttga aaattggcag aagacaggga
160141 ggcctctct caccactcct attcaacata gtgctggaag atctgtccag ggcaatcagg
160201 cagggaagg aaataaaggg tattcaatta ggaaaaggag aagtcaaat ttccctgttt
160261 gcagatgaca tgattttata tctagaaaac cccattgtct cagcccaaaa cctccttaag
160321 ctgataagca acttcagcaa agtctcagga taaaaaatca atgtacaaa atcacaagca
160381 ttcttataca ccaacaacag acaaacagag agccaaatca tgagtgaact cccattcaca
160441 attgcttcaa agagaataaa atacctagga atccacctta caagggatgt gaagcacctc
160501 ttcaaggaga actacaaacc actgctcaac gaaataaaa aggatacaaa caaatggaag
160561 aacattccat gctcatgggt aggaagaatc aatattgtga aaatggccat actgccaag
160621 gtaatttaca gattcaatgc catcccatc aagctaccaa ttactttctt cacataattg
160681 gaaaaaacta ctttaaagtt catatggaac caaaaaagag cccgcatcac caagtcaatc
160741 ctgagccaaa agaacaaggc tggaggcatc aactacctg acttcaagct atactacaag
160801 gctacagtaa ccaaacagc ttggtactgt taccaaaaca gagatataga tcaatggaac
160861 agaacagagc cctcagaaat aatgctgcat atcgacaact gtctgatctt tgacaaacct
160921 gagaaaaaca agaaatgggg aaaggattcc ctatttaata aatggtgctg ggaaaactgg
160981 ctagccatat gtagaaagat gaaactggat cccttcctta caccttatac aaaaattaat
161041 tcaagatgga ttaaagactt aaatgtcaga ctaaaaacca taaaaccctt agaagaaaaa
161101 ctaggcatta ccattcagga cataggcatg ggcaaggact tcatgtctaa aacacaaaaa
161161 gcaatggcaa caaaagccaa aattgacaaa tgggatctaa ttaaaactaa gagcttctgc
161221 acagcaaaaag aaactacat cagagtgaat aggcaacctc cagaatggga gaaaattttt
161281 gcaatctact catctgacaa agggctaata ttcagaatct acaaagaact taaacaaatg
161341 ttcaagaaaa aaacaacccc atcaaaaagt gggcaaaaata catgaaaaga cacttctcaa
161401 aagaagacat ttatgcagcc aacagacaca tgaaaaaatg ctcatcatca ctggccatca
161461 gagaaatgca aatcaaaacc acaatgagat accatctcac accagttaga atgacgatca
161521 ttaaagtccag gaaacaacag atgctggaga ggacatggag aaataggaat gcttttacac
161581 tgttggtggg ggtgtaaat agttcaatca ttgttgaaga cagtgtggca attcctcaag
161641 gatctagaac tagaaatacc atttgaccca gcaatcccat tactgggtat ataccgaaaa

```

FIGURE 2 (cont.'d)

161701	gattacaaat	ggtgcaacta	taaagacaca	tgcacacgaa	tgtttattgt	ggcactattc
161761	acaatagcaa	agacttctaa	caaaccacaga	tgtccatcaa	tgatagactg	gattaagaaa
161821	atgtggcaca	tatacaccat	ggaatactat	gcagccataa	aaaaggatga	gttcatgtcc
161881	ttttcagggg	catggatgaa	gctggaaaacc	atcatttctca	gcaaactatg	acaaggacag
161941	aaaaccaaac	accgcatggt	ctcactcata	gatgggaact	gaacaatgag	aacacttggg
162001	cacagggcag	ggaacatcac	acaccagggc	ctggttgggg	gtggtggact	gggggagaga
162061	tagcattagg	agaaatacct	aatgtaaatg	atgagttgat	ggatgcagca	aaccaacagg
162121	gcacatctat	acctatgtaa	gaaacctgca	ctttgtgcac	aggtacccta	gaacttgaag
162181	tataataaaa	atgaaaaaaa	gaaaatgtta	ctagcaaatt	gtagatgggt	atacctaata
162241	taactctgca	tgtgcactat	gtgtctggat	acacatggaa	agtattcagg	catacacacc
162301	aaattgttaa	aataaatccc	cttccaacat	taggagtggc	tggggagcag	atggctttca
162361	cttccgcaca	ttccatgggt	ccagggtaat	accacatcac	aatagtaaat	agcaaaaaata
162421	acaaccttaa	gttttagattt	tcttatctaa	attttaattc	tgtgaagaag	tttccatttc
162481	cctttttcac	acaggatagt	agaatgcagt	ttagaaaagag	tgagatcact	tgttagactg
162541	tacaattttt	aagcatcagc	gaagtatacc	attaaacttc	tctatcaatc	catttctctaa
162601	acttcccaac	ccaaaaaaa	agaaacacat	aaaattgaaa	tgaagaaaac	aatacaaaaag
162661	atcaacaaaa	atgaaaggtt	ggcttttttaa	agagataaac	aaaattgaca	aatgttttagc
162721	cagactaaga	aaaagagaag	gcccaataaa	ataaaatcag	agatgaaaaa	gcagacatta
162781	taactgatac	tgcggaatt	caaaggatca	ttaatggcta	ctatgagcaa	ctgtatgcc
162841	aacattggaa	aatattgaag	aaatagataa	attcgtagac	acacgcaacc	taacaagatt
162901	caaccatgaa	gaaattcaaa	atctgaacag	acaaaaaaca	agtaacaaga	tcaaagccat
162961	aattaaaatt	ttcccagcaa	agaaaagcct	gagacccaat	ggcttcactg	ctgaattcta
163021	tcaaacattt	aaagaactaa	taccaatcct	actcaaacta	ttccaaaaag	tagaagagga
163081	gggaatat	ccaaacttat	tctatgaggc	cattactgct	cctatatcaa	aaccaaggac
163141	acatcaaaaa	aagaaaacta	taggccaata	tctcacatga	atattgatga	atcctcaaaa
163201	aatgctagca	aactgaattc	aacatcacat	taaaaatcat	tcattatgac	caaatgggat
163261	ttatcccagg	gatgcaaaata	tggttcaaca	tatacacatc	agtcagtgt	acatatcata
163321	tcaacagaat	gaagaagaaa	aaccatatgg	tcatgttaat	tgatgctgaa	aaagtatttg
163381	agagaattaa	acatctcttc	atgacaaaaa	ccctcaaaaa	cactggagac	agaaggaaca
163441	tacctcaaca	caataaacag	acatatatga	cagactcaca	gctagaatca	tactaaatgg
163501	ggagaaaactg	aaagtcattc	ctctaagatc	tggaaacaaga	caaggatgct	cattttcacc
163561	agtgttagtg	gaacatagta	ctgaaagtc	tagctagaac	agactagaga	cagaaataag
163621	gggcatccaa	actgggaaga	gagaagtcaa	attacctttg	ttcgcatgag	gtatgatctt
163681	ctgttttgaa	aaaccttagac	tccataaaaa	aatgattaga	actgataaat	tcagtaaagt
163741	ttcaggatac	aaaatttaaca	tacaaaaatc	agtagcattt	ctatatgtca	atagcaaaaca
163801	atctgaaaaa	gaaatcaagg	aagtaatccc	atttccattt	tgcaatagct	ataaaaaaaa
163861	tgaatataat	ctcatctctt	caataagtgg	tgttgggaaa	actgcataatc	cacatacaaaa
163921	atgaataaaat	tagacccttt	taatatatacaa	aactggaccc	aagttaatat	acaaaaatta
163981	acttgaaatg	aattaaagac	ttaaatgtaa	gatctgaaac	caaaaaactcc	tagagagaaa
164041	cataggggaa	aagctccttg	acgttggcct	tggcaataat	tttttgggat	attacaccaa
164101	aagcacagac	ttttgaaaaa	ataaacaagt	aggactacat	caaactaaaa	agcttctgca
164161	tggcaaaaaga	aagtcaacaa	catgaaaagg	caacctacag	aatggaggga	aatatttgca
164221	aacctatatac	ctgatgagaa	gttaatatca	aaatatagaa	aatatataag	gaactcacat
164281	atctcaatac	caaaaaaata	ataacctgtt	ttataatggg	caaaggacct	gaatagacat
164341	tttttcaaa	aagacacaca	gatggccaac	gagtgacagg	aaaagcgttc	aacatcacta
164401	atcatcaggg	aaatgcaaat	caaaaaccaca	atgagatatc	actccacacc	tgttaggaaa
164461	gctattatga	aaaacacaag	agacaatgaa	tattggcaag	ggcatggaga	aaaaagaacc
164521	cttgtacact	gttggtagaa	atgtaaattg	caacagcctt	tatggaaaat	agaatggagg
164581	ttcctcaaaa	aataaaaaata	gaactaccat	acaatctagc	aattccactt	atgagtgtac
164641	atccaaagga	atcaaatac	tatgtcaaa	agatatctgt	acttccttgt	ttattgcagc
164701	tttactcaca	gtagccaaga	taaggaaaaa	atctaaatgt	ccatcaacgg	ataaagaaaa
164761	tggggggagg	ggtgtgcatg	tatacataca	caatggacta	tttttcagcc	ataacaaaga
164821	aggaaaccc	gccatttgtg	acgatatgaa	tgaaccacaga	ggacattatg	ttaagtga
164881	taaggccagac	acagaaatac	aaatattgta	tgatctcatt	tatatgcgaa	tctaaaaatt
164941	tcaaacttga	agacgaataa	gtagaacagt	atztatcagg	agctagggga	tgtggggaag

FIGURE 2 (cont.'d)

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165001 aagcaaaata ttgggcaaag agtataaaact ttcagttatg agatgaaggc caggtgcat
165061 ggctcatgtt ggtaatccca atactttgga aggctgaggc agagggattg cttgagacca
165121 gactaggcaa gaaagtgaga cctcatctct acaaaaaata aaaataaaaag aatcagctgg
165181 gagtgggtggc atacacctgt agtcccagct agtcaggagg ctgagggggg aggatcattt
165241 gaaattggaa agtcaaggct gcagtcagcc aagatagtg cactgcattg cagcctgggt
165301 gacagagcga aaccctgtct caaaaaaaa aaaaaaaa agatgaataa gttctgggga
165361 tcaaatgtac agcatggtga ctatagttta taactgcgtt attacttgaa attggataag
165421 agcagatttt aagcatcccc agcaccccc caacatacac acacacaaat ggtaactata
165481 ggtgggtgata gatatgttaa tttgactgtg acaatcagca ttcaatatat acatatatca
165541 aatcatcaca ttttaccct tgaatataga actttgattt gtcaatcaaa tattttaaaa
165601 cgaaaataat cataatatta atatatgata caggaaaaaa tttcgtatct cgactgatac
165661 agaaaatttc atgataaaaa cactttaaaa caaaagaaat aaaagggaac tccctcaacc
165721 tgataaatgg catctgtgga aacccccagc tagcatcaaa cttaatacag aaaggctggg
165781 tgttcacctc ttgaaccagg aacaagacaa agatgcctgc ttttgccact tccatttgac
165841 cttgtactga ggttctggct agggcaatta tccctgaaaa agaaataaaa ggcttccaaa
165901 taaaagaaga agtaaaacta tctctactcg ctcatgacat gatcttgcat atagaaaatg
165961 tgcacatgta cacacacaca aaccattaga actaataaac aagttcagca agtttgaga
166021 atataaaatg aatgtacaaa aatcaagtg ttttctatat actagcaatt aacaatctca
166081 aatgaatta aaattccatt tacaatagta tcaaacataa attatttaga aataaaaagt
166141 gcaactgaaa ctacaaaata ttttgaaata aatcagaaaa gatttaagta aatggatcac
166201 ttgaacctgg gaagcagagg ttgcagtgtg ccgagattgt accactgcac tttagcctgg
166261 gcaacagagg gagactccaa agagtcgaaa agaaaagaaa agatttaaat aagctgaaac
166321 atattctatg gatcagaaga cttaatatgt ttaaagtac aatattcccc aaattgatct
166381 acagcttcaa ctcaaccct atcaaaatcc tagcttgctt tttggctgaa attgacaagc
166441 tgattctata atttatatgg aatctcaag gatccagaat aacccaaaca atattgaaaa
166501 ataaagaaca gcgttggtgg attaacattt tccaatttca aaacttacta tagcactgcg
166561 gtaatcaagc agtgtggcac tgtatagcat gtacattaca gatcagtggg ctagaatcaa
166621 tgtccagaaa taaaccgtta tgtttataat gaattacttt ttaataaggt gtcaagacaa
166681 cgcaatggga aaagaataat gaattcaaca aatgatgcat ggacaaccgg atatgcataa
166741 gcaacacaat gaatttgaat tcttctatcg ctccatgcat aaaaactaac tcaaatggg
166801 tcacggatgt aaatgaaaag ctaaaactat aataatccta gaggaaaacc taggagtaaa
166861 tctttaagat gttattgtag gcagtgggtt ctcatagagg accccaaaat cacaagcgac
166921 aaaagaaatt ggacttaaa ttaaatactt ttgtgcttca aacatcatca agaaagtga
166981 aacacaaccc gcagaagcaa taaaatgtc tgtaagtcac gtatccgatt agagacttct
167041 atccaggata tataaataat gcaattcaat gataaaaaag ataaatagcc cagttttcca
167101 aagagtcaag catctgaata tacatctctc caaaaatata cagatatcca acaagcatgt
167161 gaaaagatgt tcaaagccat ttgccagggt cacaacccca agacagtatg aggagatgct
167221 acagggactc tgctgcttca cagacatgaa gcgttggtga gaatgtaggc agccgccttt
167281 ggggacttca catccccgcc gccccacgca cgggtgagct gtgtttaaac ttagccgaga
167341 tcaatacacg cgactgtgtg cccgtcagac cctgcgctgc cggcggggct gggagaggcg
167401 ggcgcagga gtgggcggga acctgggggt caggccccag ccgcgggaag ccgccagga
167461 ggcgcgaaa ccttctccac acccttccag gcatttgccc gccgcgattc agagagccga
167521 cccgtgaccc ctggcctccc ctagacagcc ccgcctgtcc agatgtgccg tccgcctgc
167581 ctccgcgac cactggccat ctctgggctt gggcgcgctc tcggcgcccg cctgcccccg
167641 ccaggagccg caggtccagc cagtgaagaa gccgcgctg aaggagcctc tgtgctccag
167701 aatccatcct cagtatcagc gctggggtgg cctcctccag gaagcccttc tgattctctc
167761 atgggtcgct ctctctctgc agactcccg agcacccctg ctccaagtac cgcaagtggc
167821 actgagaact tggggagagc agaggctgtg cctagatttg tagggagtcc ccgcagctcc
167881 accccagggc ctacaggagc ctggccttgg gcgaagccga ggcaggcagg cagggcaaag
167941 ggtggaagca attcaggaga gaacagtgga acgaatggat gagggggtgg agccgaggtt
168001 gcccagtc cctggctgca ggaacagaca cctcgtgag gagagacca ggagcgaggc
168061 cctgccccg cccgaggcga ggtcccgccc agtcggcgcc gcgtgaagag tgggagagaa
168121 tactggggg gcggggcggg gggcgggggg gggggcgggg gccgcggga gcctggagcc
168181 agaccgggc gggcgggcac gggccaggg acagtgggg aggaggtgc gggctgagcg
168241 accctgaccc cccccagtc gcgctggttc cgg

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FIGURE 3

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1      gggcgccgag gctccccgcc gctcgtctgt ccccgggccc cgccatgcc tccacacgg
61     tcaccgtggc cactggcagc cagtgggttc cgggcactga cgactacatc tacctcagcc
121    tcgtgggctc ggcggggctg agcgagaagc acctgctgga caagcccttc tacaacgact
181    tcgagcgtgg cgcggtggat tcatacgacg tgactgtgga cgaggaaactg ggcgagatcc
241    agctggtcag aatcgagaag cgcaagtact ggctgaatga cgactggtac ctgaagtaca
301    tcacgtgaa gacgccccac ggggactaca tcgagttccc ctgctaccgc tggatcaccg
361    gcgatgtcga ggttgtcctg agggatggac ggcgaaagt ggcccgagat gaccaaattc
421    acattctcaa gcaacaccga cgtaaagaac tggaaacacg gcaaaaacaa tatcgatgga
481    tggagtggaa ccctggcttc cccttgagca tcgatgccaa atgccacaag gatttaccct
541    gtgatataca gtttgatagt gaaaaaggag tggactttgt tctgaattac tccaaagcga
601    tggagaacct gttcatcaac cgcttcatgc acatgttcca gtcttcttgg aatgacttcg
661    ccgactttga gaaaatcttt gtcaagatca gcaacactat ttctgagcgg gtcatgaatc
721    actggcagga agacctgatg tttggctacc agttcctgaa tggctgcaac cctgtgttga
781    tcoggcgctg cacagagctg cccgagaagc tcccggtgac cacggagatg gtagagtga
841    gcctggagcg gcagctcagc ttggagcagg aggtccagca agggaacatt ttcacgtgg
901    actttgagct gctggatggc atcgatgcc acaaaacaga cccctgcaca ctccagttcc
961    tggccgctcc catctgcttg ctgtataaga acctggccaa caagattgtc cccattgccca
1021   tccagctcaa ccaaattccc ggagatgaga accctatttt cctcccttcg gatgcaaaat
1081   acgactggct tttggccaaa atctgggtgc gttccagtga cttccacgtc caccagacca
1141   tcacccacct tctgcgaaca catctggtgt ctgaggtttt tggcattgca atgtaccgcc
1201   agctgcctgc tgtgcacccc attttcaagc tgctggtggc acacgtgaga ttaccattg
1261   caatcaacac caaggcccgt gagcagctca tctgcgagtg tggcctcttt gacaaggcca
1321   acgccacagg gggcggtggg cacgtgcaga tgggtgcagag ggccatgaag gacctgacct
1381   atgcctccct gtgctttccc gaggccatca agggccgggg catggagagc aaagaagaca
1441   tcccctacta cttctaccgg gacgacgggc tccctggtgt ggaagccatc aggacgttca
1501   cggccgaggt ggtagacatc tactacgagg gcgaccaggt ggtggaggag gaccgggagc
1561   tgcaggactt cgtgaacgat gtctacgtgt acggcatgcg gggccgcaag tccctcaggct
1621   tccccaaagtc ggtcaagagc cgggagcagc tgtcggagta cctgaccgtg gtgatcttca
1681   ccgcctccgc ccagcacgcc gcggtcaact tcggccagta cgactggtgc tccctggatcc
1741   ccaatgcgcc cccaaccatg cgagccccgc caccgactgc caagggcgtg gtgaccattg
1801   agcagatcgt ggacacgctg cccgaccgcg gccgctcctg ctggcatctg ggtgcagtgt
1861   gggcgctgag ccagttccag gaaaaacgagc tgttcctggg catgtaccca gaagagcatt
1921   ttatcgagaa gcctgtgaag gaagccatgg cccgattccg caagaacctc gaggccattg
1981   tcagcgtgat tgctgagcgc aacaagaaga agcagctgcc atattactac ttgtccccag
2041   accggattcc gaacagtgtg gccatctgag cacactgccca gtctcaactgt gggaaggcca
2101   gctgccccag ccagatggac tccagcctgc ctggcaggct gtctggccag gcctcttggc
2161   agtcacatct cttcctccga ggccagtacc ttccatttta ttctttgatc ttcagggaac
2221   tgcatagatt gtatcaaagt gtaaacacca tagggacca ttctacacag agcaggactg
2281   cacaggcgtc ctgtccacac ccagctcagc atttccacac caagcagcaa cagcaaatca
2341   cgaccactga tagatgtcta ttcttgttgg agacatggga tgattatttt ctgttctatt
2401   tgtgcttagt ccaattcctt gcacatagta ggtacccaat tcaattacta ttgaatgaat
2461   taagaattgg ttgccataaa aataaatcag ttcattt

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FIGURE 4

1 ttgcacgctn ctcagcccg gctgtactat tggctctacac gtgccatcgt ggtttgctgc
61 acccatcaac ccatcatcta cattaggtat ttctcctaata gctctctttc cccttgcccc
121 ccacctcteta acacgccttg ttgtgtgatg ttgacctccc tgtgtacatg tgttgctcatt
181 gtacaactcc tgccttatgag tgacaacatc tgtctgattt tctgtcttgt gttagtttgc
241 tgagaatgat gggtcccatc ttcacccctg tacctgcaaa ggacatgaac tcatccttta
301 atatggctgc ttagaatccc acagtataga tgtgcctcat tttctttatc cagactatca
361 ttgatgggca tttgggttgg atccaagact ttgctattgt gaacagtgat tcaataaaca
421 tacgagtgc tgtgtcttta tggatgaatg attgataatc ctttgggcat ataccacta
481 atgggattgc tggacctaat gggttgctg gatcctgatc cttgaggaat caccacactc
541 tcttacagtg taaaagtgtc tctatatata ctcacccct ccagcatctg ttatttactg
601 actctttaat catcaacctt cttactggag agagaagggt taattaccac taatgacgag
661 cctttaatca aattgttgtt ggaccttcc caacttactt gcgaaggggt catttgtaaa
721 cttacgccac cttttgatgg ggcagttttt ctggtttatc cgcaaagatc ctgggggacc
781 ccttttttta actcttttga agaccgttat atctgaacaa tttctcccat accgagagggt
841 ggcggttac aacccttgaa agtttctttt ttttttggg gcccttagt ttcaaaaaa
901 tcccttcgga ccaatttgcc tttgttgcc aaggaatttt tccccctaag tcactaggaa
961 tttttccag ggcacacagg tgtagtggc ttcccagaa tttttctcct gggatccaa
1021 tgttataaga aaaaaaattg gggaattttt ttaaacctcc aataaaattt tttatagaga
1081 taaggccggt ttcatttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
1141 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncgc
1201 ggtcttcagc ccgtggtgaa gactgattaa cagtcataag aaggtaaagc tctaagtac
1261 ctgtaagaaa catacagtct cacacaatta ggcaaggagt ccaacttgga agaaagagt
1321 gcatagattc aaacctgat gccacaactt atgttaacct tctgaggct caacttctca
1381 cacatgacag gagaatctca tcatgtacct caattaattg atatacagat tatggtaaac
1441 attcaatgaa aaagtatgta aagtttctat cattctacta cagttggtat tcaacaaatg
1501 ccactttatt cactttctgt taagcctgaa agaagtactg aatgacatca acgagtgc
1561 ttcaacaaat ataatttgag cactgattac tcaataagca ttatgaggaa ctaaaatatt
1621 atcagcaaat gatggctgac atagaggaaa tgtgacagag taggaagatc cctgtactcc
1681 ctgtatcaaa ggactgagat tcttccactc aggaccatgt gtgaccccaa cagaaagtag
1741 aaatttacag aaagatacct ggcaaaacac ccaaatagtt tgaagttaa aaatatacct
1801 ctgaataaca ccccatggaa atttttaaa attataatgt gaattaaaat gaaaacatat
1861 aaccataaca aaaattgtag gatacaggaa aactgggtgct catatagcat taactgttta
1921 cattacattt tagagaatca acttaattca attatctaag tttctatttt agaaactcat
1981 gtaaaaaaag gagagcatat ttaaaaagta agcagaagaa caaaagataa gcatgacaga
2041 caatgaaatt gaaaatggaa aaatcataga gaagaatcaa atgaatcaaa agtagtttct
2101 tggaaaagat caataaataa aattgggtga tataatttac tgatattagg agtgggaaag
2161 ataactactg atcatagatc catgatgaac aagcttattt caataaatta ataaactcag
2221 caacttcaac aaaatggaca gattacttgg aagacaccaa ttaccaaaagc tcaaaaaaag
2281 agaactctaa tagtccctata tttatgaaaa aaaaaaacia aactgaattt gtattttaa
2341 actttgccac aaagaaaatt ttaggttcag atgggtttcc taataaattt ttcccattta
2401 gtaagaataa tatcaattct acacaaactc attcaaaaaa aaaggagaga gaatacttta
2461 caacacgttc tgcaagggtca gtattaccct gataccaaaa caaaggatat tacataaaaa
2521 cgacaccaat atccttcatg aacatagatt cttcaccacg gggctggaag gatccgnnnn
2581 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
2641 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnatag cacgcccttg agccctggt
2701 gaataataaga gattaggcta cagegtgttc tactccaaact ttatttgctt tctgagcatc
2761 taattccact ttgcaaaatg gacatttttt ttccctcttg agagtcagga aattaccagg
2821 tgtgccagga taatccttag tatcaactgt aaaatatcag tataaaataa tgagtaagca
2881 tatttcagtg ggtgtttata tgcttttgggt tgcatagcat gagccaaagg cagataaaaa
2941 atgtgggctc cagatagtga ctcaatctcc agaaatcata atgtcagtta cacaatgata
3001 tttctatatt ggcatacaaa aataatccac ttgtcatagg ataattgtct tagatgaggg
3061 catggagctg tgctgaggaa tctgccattt ttctttatcc agactctgtc tcataccgac
3121 cacaggcccc aatcattgtc tatcaaaaaa catgcttggt tctcttttgg cttactatga
3181 aaggaaagcaa gatcttttcc tcaagcattt aagtgttgac tgtgggctac ccagtgtgct
3241 agacactgng gatcaaatc tgtgaggtta aaaatacccc ataactcact ggatagaaat

FIGURE 4 (cont.'d)

3301	tcaaaatgct	cgctatgttg	attctatgat	caacttccaa	ggggaccttt	ntacctccta
3361	tcttcatcag	caagcaacta	cattgatatt	gtagcccagg	atctattccc	acgtcaaccg
3421	tgggtttcaa	atgtttgtct	tagctcaatg	gcctcttaag	ccactaacc	aatatgttgc
3481	tttttaccag	taaaaaagt	catctgggga	ataagttgg	gtatatttgt	ggttcagcca
3541	gcccatagat	cgtccagagg	accccaggct	taggaggaat	cctcagattt	gagagccact
3601	gtcctgtatg	atgcagatag	cacagctctt	cctgaaaata	ggaattcaaa	tgaggaaaaa
3661	tgaaaaactc	cctaattatt	ttcttctgcc	tctttcatte	caagctcatc	taattatcat
3721	gctctattgt	gaagaatcaa	agaaagaact	cataaatata	ccttttgtgc	ctgtattttg
3781	aatgtacgtt	gtgcatgtaa	gcctttgtgg	ttaagcaaat	gtcaagaaaa	tccctagtcc
3841	cattgcttac	agtcaatatg	gggcaattca	agcaaaagt	atgcctctaa	tatggtttga
3901	aaattctgaa	agttcagaaa	aaatgttgct	acttcagcca	tctgatgtta	ctggatattg
3961	agaatgagac	ctcctctccc	tctgctttcc	tcattttccat	ctcctccttc	ctctttctcc
4021	tctctccctc	tccttttatt	tccttctccc	tcctctctct	ccatgcttac	tcccttctct
4081	ttctccctct	ttcttcttta	ttctccttct	ccctcctctc	tctctctccc	ctttttcctc
4141	ccttctctct	ctccctccct	ctcctttatt	ctccttctcc	ctcctctctc	tctctccccc
4201	ttttcctata	ttcccagatt	aggccatttt	caaaactgg	taaacattcc	ccaaaagcat
4261	ttatgacaga	gaattgacta	ggatctcacc	tgaatcacag	agcttgccca	ttgaacacag
4321	gcaaagatca	agccattttc	tcttgatgtg	atgcttcagc	attttatgca	tttgaacaaa
4381	attttatgta	aaaaaaagct	tagccctttg	gtgacgggga	ttccttttct	ggatgatctg
4441	ccaaagaatc	aagacccaac	gtccagctta	tcaaattttc	tctggacctt	tannnnnnnn
4501	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
4561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnccgtggg	aagacttcca	cgtgaacttt
4621	aaagtagttt	tttccaattc	tgtgaagaat	gtcattggta	gcttgatggg	gatggcactg
4681	aagattttct	tcatttttat	gactgcatag	cattccatgg	agtatatgta	ccacattttc
4741	tttatccaat	tcactgttgg	tgggcacct	ggtcaattcc	atgactttgc	tgttgtgaat
4801	agtactgcaa	tgaacatgtg	agtgcatgtg	tcttttttga	ggaataattt	gttctctttt
4861	ggatatatac	ccagtaatgg	gggtgctggg	ccaaatggta	gttctgtttt	aagttctttg
4921	agaaatctcc	aaactgcttt	ccacagaggc	tgaactaatt	gacattccca	ctgccatgca
4981	tgagcattcc	cttttctcct	cagctccacc	aacatctgtt	gctttctgac	tttttgataa
5041	tagccattct	gatgtgtgag	atggtagccc	attgggggtt	cttttttttt	ttttaagaca
5101	gagtctcact	ctgtcaccta	ggctgtggca	caatgttggc	tcgctgcaac	ctctgectcc
5161	tgggttcaag	tgattctcct	acctcagcct	actgagaagc	taggggttaca	ggcacctgcc
5221	accacacca	gctaattttg	gtatttttgg	tagagacagg	gtttagccat	attggcaagg
5281	ctggctctcta	actcctgacc	tcaggtgacc	cacctgcctc	ggcttcccaa	agtgctggga
5341	ttgcatgcgt	tagctaccat	gggtgggttt	tgacttgcac	ttctctgatg	attagtaatg
5401	atgatccttt	tttcatatcat	ttgttggcca	cttgtatgtc	ttcttttgag	aagtgtctgt
5461	tcatatcttt	tgcccatttt	tcaatgggg	tgttttttcc	ttgtccagtt	gtttaagtta
5521	tttatagatt	ctggatatta	gtcctttgtt	gggtgcataa	tttgcaataa	ttttatctca
5581	ttctgtaggt	tatctattta	atctgttgat	agtgtctttt	cttgtagaca	agttgttcag
5641	tttaattagg	tctcacttgt	caatttctgt	ttttgttgta	attgcttttg	aggacttaat
5701	cataaattct	ttcccaaggc	ccatgtccag	aatgggtgtt	ctgagatttt	cttctaggat
5761	tcttttactt	caagggtctta	tatttaaattc	tttaattccat	ctggagttaa	tttttgtatg
5821	tggcaaaaagt	taggtgtctt	gttttatattt	tctgcatatg	gctagtccag	tatcccagga
5881	ccattcattc	actagggagt	cctttcccca	ttgtttactt	ttggcaactt	tgtcaaagat
5941	tagatggctg	taagtgtgca	gatttatattc	tcagctctct	attctgttca	actgggtgag
6001	gtatctgttt	tcgtactagc	accatgctgt	tttgggttact	gtagtcttat	tagtatagtt
6061	tgaagccagg	taatgtgatg	cctctggcct	tgttcttttt	gcttaggatt	gctttttggg
6121	ctctctgttg	ttgttgttcc	atatgaattt	taggacactt	ttttccaatt	ctataaaaaa
6181	atgacattgg	tagtttggta	ataatagcat	tgaactgtga	gatagattgc	tttgggcagt
6241	atggccattt	taatgatatt	gattcttcca	atccctgagc	atggaatgtt	tttccattta
6301	tttgtgtcct	ctctgatttc	tttttagcagc	gttttatagt	tctccttgta	gagatctttc
6361	acctccttgg	ttagctgttt	tcctaggtat	tttaattttt	tgggcctttg	taagtgggat
6421	tgcaagcttg	aattgggtct	tagcctgaat	gttattgggt	tatagaaata	ctactaattt
6481	ttgccatcca	ttttgtatcc	tgaacgtcc	ctgagtcatt	tgttaattcc	cagaggcttt
6541	gtggagtctt	taggttttct	attttttagaa	tctattcttc	ccaaagagaa	atactttccc

FIGURE 4 (cont.'d)

6601	ctctcttttc	ctaateggac	ccctttat	attcctttgc	ccaaggcttg	gaaagccctt
6661	ccatactttt	ttaaaaagaa	cgtggaaaaa	ggcccccttc	ttattctcgt	ttaaaggaaac
6721	cttccatttt	cgctgtcaaa	tggnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
6781	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
6841	nnntttgttg	ggaatatccg	gtgcttattc	ctcttcagga	gttttattct	tccaaaaatg
6901	cagcttttca	ttcctcctcg	tttttctttc	tgtgcctaat	gcctccagcc	tttccatggt
6961	ggtgcggtta	gctagacatt	tttagtttgt	agtgattgtt	ttcgtttgtg	tttgtatggt
7021	tttgtgcccc	tagtcacttc	tgtaatgttc	gtttctgagt	ttcctttggg	gggattaacc
7081	tgccactgaa	gtgtcagctt	ccctgtcatg	ggactgtcct	tggaaatgaca	ggttttcctt
7141	ccaccatagg	atctgccact	gtgaaggaga	tgatgagagc	cccctgatca	ccccctgcca
7201	ctgcacagga	agcctccact	tctgtcacca	ggcctgcctg	cagcagtggg	tcaagagctc
7261	cgacacgcgc	tgtgcgagc	tctgcaagta	tgagttcatc	atggagacca	agctgaagcc
7321	actgagaaaa	gtacgtggga	ggaagggatg	cttcaccctt	cctgaaacca	gtgaccccca
7381	gaaagctggt	gtctcagatc	atgaggtcat	ggcttgccctg	cgttcatttc	cttaaaaaagc
7441	tggggctggt	gcttacat	gcattgtaga	gattgttgtt	tctgggtgctg	attttcaagt
7501	ccctcttctc	aggaagaagc	tctttctgac	cattcataat	ccttcttttc	ccttcaaagt
7561	aagactgctt	gcttgtcggt	gtcagtcctc	tggcctttga	ctacagactg	tttgtgacat
7621	atcttagcac	ctaattttat	acataattaac	tgttgacgtc	ctgcttctct	gattaggact
7681	gtctgttggg	gattagtatc	tccccagcac	ccagcacagt	gtagcataca	gtaaatttat
7741	ttgtatacac	ccatgataac	tatttgctgg	atgggagtgt	gagtaggtgg	atagggaaaa
7801	gaaaggaagc	acaaacgttg	cgtgatgtgc	aactgtcttc	agaaaggacc	cacaggcatt
7861	gcatgacacg	cagctgtctg	gaggcccatg	tactgctcc	ctctgagagg	agctttgtcc
7921	gccacactgg	cttctgtttt	aaattttgac	tgtttcatat	atctctctag	atgcccgaca
7981	caaaagggtt	tgtctggaag	aataaaaaac	tgttcctatc	tcagaacatt	aatatataaa
8041	ttgcaagata	agtcacataa	tcaaatacta	gccaattaaa	tgctaaatgg	tgtgctggta
8101	gagcataaca	gtcattcaga	aaaggaaatg	ctcattatga	gctagagtgc	tggggaaagt
8161	gagcgatggt	agcctcatag	ggtgtttggg	tttttagagca	gttcttgaag	gatcactagg
8221	atttggaggc	agagtgaag	gagtttagag	aggtcaggct	gtctgtggag	taaagcatag
8281	cctagaaagg	tgaaggtgaa	cattgacagg	gtgtcaagct	acgtgcgttg	taggaagttag
8341	cagggagcat	ggggcactga	ggcactgact	ctgtattata	ggtaggaaga	ccagggaaact
8401	tgctagtgtg	taaaaatcca	gcagaaaaac	accagattta	gagaaggctt	gtgcaaaactg
8461	cttaaaaaaa	tgttttgccc	agtagaaacc	ttgtaattta	ttgggtgcct	actctatgct
8521	aatctctcaa	catgggaagt	ccttgaggct	ctattttcaa	ctaccctgca	tagactcatc
8581	tggaaagagg	ctgtgactag	ggttggcaaa	ggatatgtgc	agagtgttta	cacattgttc
8641	tttctctcta	cctttatgtg	ttttctctctg	attcggaaac	cagtaaatga	aaaagaaagt
8701	ctggctat	ggagtaaatt	aatgagctcc	tagaggagat	gggactagca	gagctgctt
8761	gtaccaggaa	ctcttagcgt	cgatttcgag	ctgttgctgc	caaagtagca	aggaccaaag
8821	agtgagcgtc	ttctgccatt	caccttcaca	atgtagtgtg	acccatctgc	tagtgtgttg
8881	tggcatcatc	aacctcttct	ttccgctcgt	ccatgccagt	cagcacatca	gggagactta
8941	aaacgtagta	cctgggtcct	gggccaacat	actgttttca	ttaggactga	aatcatagaa
9001	ttctttatca	ggccatctta	tgtctgcttg	caagaataag	cagacaaggg	gatttttgat
9061	ggtagtctctg	cattcatctt	gatectggct	tcttttctatt	gcatagaaag	ttggctgcac
9121	ctggtacctg	gttgaagcca	agtggtttta	ggagaacaat	acttggggga	atgcatctag
9181	tttgggaagg	gagaagtggg	gtggaaagcc	aatcttacct	acctacaatg	ctctcaccct
9241	accggagccc	ttccccagaa	gcctgagcct	cacactctgt	gttgtctttc	tagtgggaga
9301	agttgcagat	gacgtccagc	gagcgcagga	agatcatgtg	ctcagtgaca	ttccacgtca
9361	ttgccatcac	atgtgtgggtc	tggctcctgt	atgtgctcat	tgaccgtact	gctgaggaga
9421	tcaagcaggg	gcaggcaaca	ggtgagttct	caggctggag	caagctcagc	atggggcccg
9481	ggatagctca	caggagtcc	ggggtcagag	gattttccag	ttagccaaaa	acgtctgggt
9541	ttccggagga	gggacatcag	ttaggaggca	ctagcctcct	ttttggcatt	tcttttgcctg
9601	tgggtgtagt	ttttgaaacc	cagtcaggag	agttcatatt	ctggagcatg	agaatctccg
9661	caaactacat	cctataaaaag	caggaaagtag	ctggacactg	tcttccactc	ttctttgact
9721	gagcaacatt	ggatgagttg	tgaatccatt	ggtcagtgggt	gcaggcttgt	gggtccccaga
9781	tacttgaggc	tgagggatgg	aggattgctg	aggctcagga	gttcaaggct	gtagtgtgcc
9841	atgatcacac	ctgtgaatag	ccactgcact	ccagcgtggg	caacatagca	agactccatc

FIGURE 4 (cont.'d)

9901 tcttaaaaaa caacaacaac aacaaaggtc ttcaccaggg atctgcctag gtcagcgagg
9961 tggttcatca agannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
10021 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnggagtgt
10081 acttcacccc gtggtgaaga tgcggcacag actggcgttt cctacggcgc cttcactgga
10141 aagcgccccc gtggtcctgg ggagaggcgg gctccatccg ccacccttcc cggagctgcc
10201 cccgcccatt ctcatgggag gaaatcgag ggcgtgtgag ccccgaccc ctcgccccca
10261 cctctgccag gaccggccgc atttctgcac tgtcccgccc cactgggaag gaaactctct
10321 ttctcaattt cttttaatga ggacattgtc ttttcagccc tgccaccccc tgcaatcgtc
10381 ttccaggctg caaacagcga gtggggagggt gaacacatca gcttttcctc cctccacacc
10441 accaggaaat ttcgcaaacc acttggctct cggcggcctg gcctcgccac acctgtgccc
10501 acagtctctc tccgctgcag cccctgtgct cattctccag gccccacgta cctctgcctg
10561 ggcccagtaa gacctggtca gatggccccc ggctgcaaag ccttctctgg ccccatcaga
10621 gaggacggcc aggtgaagcg aggttccctt gccaccctg caagcgaggg ggcccttcca
10681 agagtgcagc cctaggccgg tgtgtgatgg tggagacggg gtcccagagg gctgaacca
10741 agaattggaga agacaaaggc tgtctttagg gagaaacttc cctgaggggg tgatgtgtgc
10801 gatcccattt taatctcaca accctgggga ggagctgggg cgggtctca ttgttcattt
10861 gaggacaccg aggtcaggg aacttagacg actttcctag ggtcccccac acccccaccg
10921 gccagggccc ctctccagg caccctcat cccacacag gctcctctaa gctgcttcc
10981 tgtgggtccag ccccttggc tcagctcctc aaatacaggg acacctcttc tctccccgc
11041 agaactcaag ggtctccatc cactgtgcca gcacagaggc ggtgctcaga gtggggctaa
11101 gcttactgtc cagcctgctg ggccaggagg ggcagaaggg cccctctcag gattccttcg
11161 ctctgctcct gccaataggc catcactcaa ggggctaata acaggacgat gtggagaaac
11221 gtgggctgca gcaattctgg ggccaagggc aggggtgggg gcaactggga gtacagggga
11281 ggggacctca ctggggccag aggttcttag aagcttctgc aagaaggggc ccctcaccca
11341 tgtcttgccc aagaagtggg gagggtgggt gtggcaaagg aaacagctag gtcagagaca
11401 agagatgctc tgcaaagccc tgcgtgctcc ccacgggtga gcatcctatg catgtaggac
11461 ctgagagatg gcaggggccc gtgcgtccct atggatgtat ctccatttct gggcagagac
11521 atctgggctc tcacctgcaa ttgagccaac caagaaatta tatttacttt tttagagcgag
11581 cctccaacaa attatacaag cacttgagaa taagccctcc cactgtcttg agagatggag
11641 cccagggagg cagctggaaa gatgctcctg cctcactca ggagagatgg tggagctggg
11701 agaggaggag gcactccctg ggaccagca gatggacttg actcagcaaa tagatgcaac
11761 catatgtggg ggggtggggg gccagaaaag gcattacagg ccagtgttct taatcctggc
11821 tatacttgga aatccaccag tagccctaaa atataactgt gctggacttc cctgtgttcc
11881 acagtttgtg cagagtgggc agcatggagt ctgtaacact aaacacacag gattgagaac
11941 catatgtcta ggctgttgtt agccatgatg gggatacatg aaaaggagggt gcacagttac
12001 cttctatacc acaggatagg tgcctattaa accctgttaa aatggactgt gaccagctg
12061 gcactcaggg gcactcaggg gccaggtggg tcacactttc attttaatag gatttaatga
12121 gcacctattc tgtgacagct gctaagatac agaggctcct gagatacaga gatgacaatg
12181 accttcagaa acactgaaca gagataagaa aggcacagtc tggccttcac tccaccatta
12241 attcctccat ccattccatc atccatctat ccatccatct ctctgtctat acctccatcc
12301 atccaccatc cattccatc ccaccatca atccatccac ccattctatcc atccatccat
12361 ctactatctc gtcattccat catccatcca ccatccatga atccatccat ccgtatatca
12421 atttctcatc tatctctcca tccatcccc atccacctct tcttccatcc ttctctcttc
12481 ccttcatcca tccattcatc atccatccct caacccatcc atctgcctgt ccctcggttt
12541 gattgtccat ctgtccagta ttctccatt cctccaaaac tgggtggcag tactctccac
12601 ctactacct caccatcctt attattccct ccaaactgtc tctttcacia gggcctctctg
12661 tcctgcctgt cccatcctgg tctgggacct atcccaactaa agctacatgg ctttgatcaa
12721 caatcccaat cccagagtag gggaaaggaa gtgagccctt aactgccgtg atgtttccag
12781 ggagatgggt gatactgctg cattactaat ccagatggtt ggttttaatt ttctctcca
12841 gttagaccca attgtggtag gagaaaaatg cccagctttt ggacacaaac agacctggat
12901 tcaaactctg gttttgccaa tttctgccta aatgacttta ggcaaactcc ttgaccttga
12961 ccccttgagg actcagtttc ctacactaga aatgggtcaat aatattattt acctcccagg
13021 atggccatga agcttaaaat agattattgt acccccaaaa acaccgacac aatgtttaga
13081 aataaataat attattttta gctttgaagt ctggctgggt tctcagcctc gtctacctgc
13141 tgggtgtgca gactcaaagc cagggtccca cctcataga ctgtcatctg tgggtgtggg

FIGURE 4 (cont.'d)

13201	g tt g g c c t g g	c a c t a g c a g g	t g c t a a t g c t	c c t c a g a g g a	t t c t a g g t g t	a a a g g g a a a t
13261	g a a a a t c t t t	g g a c c c c a a t	t c a c t c t g c c	a a a a g g g a a a	a a t t a a g c t g	a a a g c t g a g t
13321	g a t g c a a g a a	a c g a a g a t a g	c t a c a g a t a a	a a g g t g a a a a	c c t c c a c a g g	t a g c t c t t g g
13381	t g t t c a c c t t	a t c a a g t g c t	g a t g t a c t a a	g c g c a a g a g g	a a t a c a t a a c	t g a c t a t t c c
13441	c c t a c c t g c t	c c t t t t c t t t	t g c a a c a t g t	g g a t t c a g t a	a c g t g a c c a t	g c c c t c c c t t
13501	t c t t c c t t c c	a g c c t g t t c t	c c t t t a a a t a	t t g a t g c c c t	t a a a g a c a t c	t t c g g a a a a a
13561	g g c a c a g t c c	a c c a a c t g t t	c c t g t g g a t t	t g t g t t c c t t	t t t t c c g t g t	a t g t c t t t t t
13621	t t t t a t t a t t	a t a c t t t a a a	t t c t a g g a t a	c a t g t g c a c a	a c g t g c a g g a	t g t t a c a t a
13681	t g t a t a c a t g	t g c c a t g t t g	g t g t g c t g c a	c c c a t t a a c t	c c t a a t t a g g	t a t a t c t c c t
13741	a a t g c t a t c c	c t c c c c c c t c	t c c c c a c c c c	a t g a c a g g c c	c t g g t g t g t g	a t g t t c c c c t
13801	t c c t g t g t c c	a a g t g t t c t c	a t t g t t c a a t	t c c c a c c t a t	g a g t g a g a a c	a t g c g g t g t t
13861	t g g t t t t t t g	t c c t t g c g a t	a g t t t g c t g a	g a a t a a t g g t	t t c c a g c t t c	a t c c a t g t c c
13921	c t g c a a a g g a	c a t t a a c t c a	t c c t t t t t t a	t g g c t g c a t a	g t a t t c c a t a	g t g c a t a t g t
13981	g c c a c a t t t t	c t t a a t c c a g	t c t a t c g g t g	a t g g a c a t t t	g g g t t g g t t c	c a a g t c t t t g
14041	c t a t t g t g a a	t a g t g c c a c a	a t a a a c a t a c	g t g t g c a t g t	g t c t t t a t a g	c a g c a t g a t t
14101	t a t a a t c c t t	t g g g t a t a t a	c c c g a t a a t g	g g a t g g c t g g	g t c a a a t g g t	a t t t c t a g t t
14161	c t a g a t c c t t	g a g g a a t c g t	c a c a c t g t c t	t c c a c a a t g g	t t g a a c t a g t	t t a c a g t c c c
14221	a c c a a c a g t g	t a a a a g t g t t	c c t a c t t c t c	c a c a t c c t c t	c c a g c a c c t g	t t g t t c c t g
14281	a c t t t t t a a t	g a t t g c c a t t	c t a a c t g g t g	t a a g a t g g t a	t c t c a t t g t g	g t t t t g a t t t
14341	g c a t t t t c t c t	g a t g g c c a g t	g a t g a t g a g c	a t t t c t t c a t	g t g t c t a t t g	g c t g c a t g a a
14401	t g t c t t c t t t	t g a g a a g t g t	c t g c t c a t a t	c c t t t g c c c a	c t t t t t g a t g	g g g t t g t t t t
14461	t t t c t t g t a a	g t t t g t t t g a	g t t g t t t g t a	g a t t c t g g a t	a t c a g c c t t t	t g t c a g c t g a
14521	g t a g a t t g c a	a a a t t t t t t t	c c c a t t c t g t	a g g t t g c c t g	t t c a c t c t g a	t g g t a g t t t c
14581	t t t t g c t g t g	c a g a a g c t c t	t t a g t t t a a t	t a g a t c c c a t	t t g t c c a t t t	t g g c t t t t g t
14641	t g c c a t t g c t	t t t g g t g t t t	t a g a c a t g a a	g t c c t t g c c c	a t g c c t a t g t	c c t g a a t g g t
14701	a t t g c c t a g g	t t t t c t t c t a	g g g t t t t t a t	g g t t t t a g g t	c t a a c a t t t a	a g t a t t t a a t
14761	c c a t c t t g a a	t t a a t t t t t g	t a t a a g g t g t	a a g g a a g g g a	t c c a g c t t c a	g c t t t c t a c a
14821	t a t g g c t a g c	c a g t c t t c a c	c c g g g g c t g a	a g g t a c c g c t	t n n n n n n n n n	n n n n n n n n n
14881	n n n n n n n n n	n n n n n n n n n	n n n n n n n n n	n n n n n n n n n	n n n n n n n n n	n n n n n n n n n
14941	n n n n n n n n n	n n n n n n n n n	n a c a a t g a g a	a c a c a t g g a c	a c g g g t t g g g	g g g g t a t c a c
15001	a c a c t g g g g c	c t g t t g g g c t	a t g g g g g g c t	g g g g a g g g a t	a g c a t t a g g g	g a a a t a c c t a
15061	a t g t a g a t g a	c a g g t t g a t g	g g t g c a a c a a	a c c a c c a t g g	c a c a t g t a t a	t c t a t g t a a c
15121	a a a c c t g c a c	a t t c t g c a c a	g t a c c c a g	a a t t t a a a g t	a t a a t a a g a a	a a a t a a a a t
15181	a a a t a a g t t a	a a a g a g a t t a	a a a a a t a a a a	a g a g a a c a t t	t g c c a c a t t c	a g t c t t t c t a
15241	g a t g g a a a g a	g g t t g c t g a c	a t a t g a t a g a	a t t a g a a a a t	c a c a c a t c t t	g t a a a t t c t c
15301	a t t t g t t t a a	a a a g a a a t c a	t a c a a a t t a g	a t g t t t t t t g	g a g a t g a c t t	t t t a a a a t a g
15361	a g t c g t t a g a	t c a c c t c t g t	a a g g g a t a t g	t c t a t a t c t g	t t c a g t g g g t	t a g g g a c a t
15421	g g a t c t g g a a	a g c c t g a g a a	g a a a a g a a g	g t t c t a t a c c	a g a c t t g t g a	t a t t t a g a c a
15481	t t t t c a t a t t	c t a t c c a t t g	t t t t g t g t g c	a t t t t a t t c c	t c a c t a t t g t	a t a t a t a g t t
15541	g a c a a t g c t a	a a c t t t t t t g	t g t a t t c t t t	c t a t g t g t t c	c g a a t g c c t a	a t a t a t g t c a
15601	a a a t t a g c g g	t a g t a a a a t a	a t a t t t t g t a	a a t a t c t t t t	t g c t a a a a t t	c a t a t g a a a t
15661	g t t g t t t t t g	g a g g g g a a t g	g c c a a a c t a c	c t g t t g a g t a	a t a c t c a t c g	t g t t t g t g t c
15721	c t g g t t c a g g	g g a g g a g g a a	g g a g g g g a a a	g t g c a g a g a g	c t c t a t g c c g	c t g t g t t t a c
15781	a g t g a g g c a a	g a t t a a c c a t	t a t c t c t t a t	g t c t g t g c a t	t t t g t t t t a c	t t a t c t g t t t
15841	a t g t a g t g t a	t a t a a a g g a c	a a a c g a g t c c	t a a t t t a c a a	c a t c t a g t c t	t t t t a g a t g t
15901	t a a a g a g g t t	g c c a g t g t a t	a a c a a a a g t a	g a g t t a g t a a	a c t a a t a t a t	t t t g t a t a t t
15961	t t g t t t t a a a	a t t c c t a g g a	a a g a t t g t c t	t c c t a t c t t t	g a g c a t t c t t	g c g c a c t g a g
16021	t t g a t g g a g a	t g g g a g g g a t	t c t a a g c t a g	g a t g t t c t t a	t t t g g a a g a c	t c t t c a a a t
16081	t a t a a c t a t g	g t t a c a t g t a	t g c a g t t t a t	t c g a g a c t g c	t g t g t a t a t a	g t g g a c a a a t
16141	t a a c t c c t t a	c t t g a a a c a c	c t a g t t t a t c	t a g a t g t t t a	g a a g t g c c t g	a t g t a c g t t a
16201	a a t g t a g a g g	t a a t a a a a t a	c c a c t t t g t a	a a t a t c t t t t	t g c t a a a a t t	c a t a g g a a a t
16261	a c t g t c t t t t	a g a a a t t t a a	t t g t t a a g c c	a c c t t t g t g a	g c a g t a t a g t	a c t g t c t a t a
16321	c t t g t t c a a t	g g t t t a g a g g	a g g t g g g a g g	g a a g a a a a a t	a t g t g a c t g a	c t t a t t t c a c
16381	t a a g c c t a a t	g t c t t t a a g t	t t c a t t c a t g	t t g t g g c a t g	t g t c a g a a t t	t c c t t c c t t t
16441	t t a a a g c t g a	a t a a t a t t g c	a t t g t a t a g a	t a t a t t a c c t	t t t a t t t a t c	c a t t t a t c c a

FIGURE 4 (cont.'d)

16501 tcaatagaaa cttggggttgc ttccatattt tagctatcat gaatattgct gccatcaaca
16561 tgttgagttc ctgtattcaa ctctttgggt aatacccaga agtgaaattg ctgaataagt
16621 atggtaattc tctgttaaat ttttgaggag ctgctgattc atacttttac gtataaaata
16681 ttagacctta aatgtattat gtaaaaacac taagtatttt taacattcta gagtaaagaa
16741 ggtgtttctt agcaagacag aaaagctgaa accctcaata gaaaagcctt gttaatgtta
16801 tcacataaaa tattcaaaat ttctgaacac acagacacac acgcactaac gaaaagctat
16861 ttacaacttg tggtagatga agaaataatt tcttaacata gcaagaacct aggcaaatga
16921 ttaagaaaaa gaataatcat acaaatttaa tacatgtgag aagctgttca gcctttccca
16981 ttaattaaag aagtaaaata taaaacaaaa catataattt ttcacttagc agagatgaaa
17041 taccaaaaca gatgggtata ggtgtggaac atacttcctt ggttgacagt tagccaatat
17101 ctattaaaat cccttgccac agtaatttca gttctagaca tttgtcttat attactgtat
17161 ttattctgtc ctgtaacct aaattccaca gctgcctagt gatggttcta tatttaaagt
17221 gaatgcttac tctcagtatt gttttttctt ttgagatgga gtcttggtct gttgccaggc
17281 tggagtgcag tgccatgatc tcagctcact gcaacctcca cctcccaggt tcaagtgatt
17341 ctctgcctc agcctcccga gtagctagga ctacagggtg gcaccaccac gcccagctaa
17401 tttttgtatt tttagtagag atggagtttc accttggttg ccagtatggt ctcgatctct
17461 tgacctcatg atctgcccac ctggcctccc caaagtgcctg tgattacagg tgtgagccac
17521 gacaccagc cagtattttt ttttttaaac cacagcttct tcattttgag tcactctctaa
17581 atagctgcaa tttactataa cttagggttt acaattttta aaattgtgta tgtaaggtta
17641 tccacatgat gtttgatata cttcttttga cataaatata cacaatgaag tgattactac
17701 agccaaataa tgattaccat acccatcatt gctagcgttt agaaagacaa ctgattttta
17761 tegtgtgata ttgtaccctg caaccttact gaatttacta aatctagtag ttttttggtg
17821 catccttttg gattttctat taacagaatc atgccttctg caaatgtaag taatttagct
17881 gcttcttttt aaatatgtat gcctcttatg tctttttctt ggctatgttc ttttctctgg
17941 ctgaaccttc tagtacaatg tccagtgtca gtgttgaaaa tgggcatcct tgtgtgttc
18001 ctgatttttag gagtaagct tacagttttt ctacctctga gtatgatttt agttgtgaga
18061 ttttcttata tgccctttat catgctaaga aagttccctt ttattttagt ttgctgattt
18121 tttaaaatta tgaaagggca ttttaatttt tcaaataact ttttctgtgt ctggtgagag
18181 tttggccatt tttttctat tgaaatggtg tattatggta gctgattttt ggatgtgaaa
18241 ccaaccttgt gtccttggga taaatcccat gtaatcatgg tgtataattc tttctatgta
18301 ttgctggatt tggtttgeta gtattttgtt gggaaacttt gtgcccataa gataagaggt
18361 attgatctat ggttttcttt tccgtgtgat tctttatttg gtttttgtgt cagggaata
18421 gtggcttcat aaaatggtca agaagtgatc cctctcctc tttttgttg aagagtgtga
18481 aaaattggta ttatcaaattg tttagtagaa ttcaccagtg aagccatttg cttttctttt
18541 tgggtagttt ttgattactg attcattctc ttaatttgtt ttaggtctat tcagattgtc
18601 tgtttcttct tgagtcagtc ttggtagttg tgtctttctt gaaatttttt catttcactt
18661 aaattatcct atttgtcagt gtacaattat ttttggtatt cctttataat cctttttatt
18721 tctttaatgt cagtagtaat gtctcttctt ttattttctga ttctatagtt tgagttttct
18781 ctctcttttc cctgatgaaa ctgaagtttt ttccatttta ttgatttttt tcaaacgatc
18841 aaattatttc attaatgtgt gctgttatca ttatttcctt ccttctgctt acttaaat
18901 agtttcatat tttttgtaag tgtcttaagg tagaatttta agttattgat ttaagaactt
18961 tcttaataca agtgtttaca gctgttgata ttactctaatt tacttcttta gctgcatcac
19021 aattgttttg gtatgttgtc ttcattatta ttcgtctaaa aatattatct aatttctgtc
19081 ttgatttctt ctttgactca tgaattgttt tagagtggaa atttcatttt aaatttccaa
19141 atattttgtg atttcccaaa tttcccctgt tgttgatttc taattttatt ccattgtggt
19201 taataacata ctttgcattha tttctatcct tcaaatttat tgaggtgtgt tttatggcct
19261 aatatgtggt ctatcttcta gaatgttcca tgctcacttg acatgaatgt atactttggt
19321 gttgttggtta agtagaatgt tccatagtc ttgaggtcta tttggttgt agtatgtctc
19381 agtcctctct tttccttggt gatccgtcca gttgttctat ccatttttga acgtgtagta
19441 ttgaagtcct tgactatttc tgttgactcg gttgacttgt ctatttcttt cttttctcag
19501 gtctgttttt gtttcattta ttttggtgct tcatatata aggtgcata atgttgataa
19561 cagttatatt ttccctaatgg atggattcct ttgtaattac aaaaggccac tctatctcta
19621 gtaacaattt ttgttttaaa gtctatttgt ctgatatcag tgtactgact ccagtgtttt
19681 tgtggttgct gtttgcataa tatatttttc ctgttctttt actttcattc tgtgtcttcg
19741 aatcaaaatt gtgttttctc cagacaatat atacttcatg ttttcttatc caatataaca

FIGURE 4 (cont.'d)

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19801 cctttgcctt ttgattgcat tgtttattcc attcacactg catattatta tttagtggga
19861 tttatgtctg tcattttagt tcttttttgt ttttgtttg agacagaatc ttgctctgtc
19921 acccaggccg gagtgcagtg gcgtgatctc ggctcactgc aagctccaac tcccgggttc
19981 aggccattct cttgcctcag cctcccaagt agctgggact acaggtgccc accaccactc
20041 gtggctaatt ttttgtatth ttagtggaga ctgggtttca ccgtgttagc caagatggtc
20101 tcgatctcct gacctcgtga tctgccacc tcggcctccc aaagtgttgg gattacaggc
20161 atgagccacc gcacgccggg attttttgtt ttttatatgt atcatgtcct tgttgttcc
20221 gttttgtcct tacttctttc tatttcattg aattaatatt ttctaataata gtatttaagt
20281 tttattaata attttatcac tgtattttta ttttttagtg tttctctagg attttctgta
20341 tatactctat cagtatgagt ttcagattca cactagctta attccagtaa tatgtagaaa
20401 tgttactcat gtagaactta attctcttgc tcttttgtgg ttattttatt tatattatat
20461 caattaatgt tacaaagata tacattgttt aaattattat tgggtgctatt attagcatat
20521 ataacaccca catattaaaa ttgtatatat tgcatatatg tattatagaa ttgtatatat
20581 tatagggcca atagtatatt gtatacatgt tattttatat aattgttttt aaaatgagtt
20641 aagaaaaaag aaaaatgcat ttctactgtc tattatagaa aaataattac atcatactga
20701 acgtcttcac cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
20761 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
20821 cctaaaagaa ttgctgagac aaagtatatg tgcctttgtc atcctgaggg cagttgtcat
20881 cctgtggagg tttaccattt gctctccac cagcaatgta taagcatacc tgcttcccaa
20941 cacttccgcc aacacatatt atttgattaa ttttcttggc tgataatggg atctcattgt
21001 agttttaatt tgtatttctc attgtgagag aaatgaagca tcttttcatg ttttgagagc
21061 catctgtgca tcttttccca ttgtttctgt taagtcatgt atttgcagta ctgtaatttg
21121 tgatgagttg taaacatgag ctcttctggc ctcttaacca tccttatcca gctgtcttc
21181 acgttctctc ttgcctaaaa acaagctcac tcaaacagat cattcctgtg gccctctccc
21241 ttttgaaata aatcagatgg gcaaatttgc ttttgtagg ggctgagac ccaaatgttt
21301 aaaagtagct tagctgatga gtgaaaagga ggcccagttg ggggttgcac agaaaatgag
21361 gggcgtgggt aatagaggag gctgggcagt aacctggcag aaggcgccag aggccaagga
21421 aggtgcgctg gtgtcctgca gtgagaagga tgtgtgcact atcaactggg taaacacact
21481 gctatagctg ctccagcgac agcaggcact ctgagaaggg aactgagaaa aggggaatgc
21541 cagtttctgc caaggatata tggaaaagtt ttttttcccc gtatgttctt tggcaacctt
21601 gttaaaatca tttaaaatgg tgaatttgat aacaaagcca gccactaaaa gacttggatg
21661 tagcaaaaca aattgtcaaa agtattttat catttctaag aaataaaata aactgggatt
21721 taggcttggg tagaaatcca gaggttttgt ttggcataat taattacaac atctgaagaa
21781 gggaggattt ttacaagaat tttttttttt gtagtgagat tgctttatat tcttttcat
21841 gactggagag tctgtcattt ggcaaccgc aaagaacttc aggaacagag ggcctaagtt
21901 ttcttgacac atttggattt ttgcatgatg aacatttgca cttttattag taattgtcga
21961 gtctgtgtgt gtctgatcct atggagagga gagtgtaggt gtnntctctg gagctagtag
22021 ntgccccogn gctcacacgt gccacactgc ctgctgcttt cangaaagag caggacggct
22081 ggtcctgtcc catctagtga ggtcctgtcc catctagtaa ggttctgtcc tcagagctcc
22141 taagagggga ttgctggcct ttgattacac tggcttccag aatctgacca tggaaaccatt
22201 atttgaagct gtcagcttca ttttgttgtt gatcaggcca gtcttttagg tctttgttgg
22261 ttgatagatt tctctcaggt ctatagcagc aacaaataaa gctcttttaa attattttct
22321 tgaccattct gcctatggat tggttctgac ctttgaaatg tttgctgtcc ttttagatcgt
22381 gacagaagga gcctcttctg ggagctgtga agacccaca gatctcactg gttttcttgc
22441 ttttattgga agagttagca tttgttgaag tttatattha tgtaaaataa caataagtag
22501 attttaaaat ttttctttta attctgtgat ctaataagaa gagagactct ttctctgtca
22561 ttgggaggct tgatgaggat cggacatacc tgctgagagt atcctgtaat gttttcataa
22621 gattggaaat ggtgaaatga gagcagaaat gtaggcagag gatgccaacg ctgtttccta
22681 tttcctaagt aaaactgagc agggcagaat ctccccagcc ctgcccagaac tcccttctct
22741 cttgggtccg ctgtcactgt catgctggcc ttgacatctg ctacaagtgc acacacatgg
22801 ggaaccacac aggggaagtga acacatgtcc tgacgtgtgt gtgtgcctgg tgtggctgct
22861 tccttgatcc aggccttggg ttgttacgag gctctgccct cctaccttca ggccttgcct
22921 ctcatcatgg gcatgcaagg atggaatcgt taccacagag tacacttttt gacttggatt
22981 acttgtagtt tagtactgga gttcagaact ttaatttccc atcagaaacc tgcttcccgg
23041 acccaggaca ctgacctga ttgggcacga ttttccagat aagaccttac ctcttcccaa

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FIGURE 4 (cont.'d)

23101 cagggtttgc cttcccttca gaatacagga aagtacacgt ggttccaaga ggaccatgct
23161 cttactaaga taaaaggagg gaggggtgact aggtactttc ctctgctgcc atcccttgaa
23221 ggaagggggc ttccttcaat gcctcatcag ttccagggag tatgcttgac ccagcaacac
23281 agaggaagaa gtgacctcat agcaatgagg ggcaagcatg tggatattgc tgggtatttc
23341 ttcctcaaag tctacctggg gacaggtgat gaagacgctt acttctctgc aatacaccgt
23401 gatcaggcct tggcttcat gacacathtt agccttgctt atgtgtgttg aacagagctg
23461 gtcatectca gaaataaaaag aagagagcaa taagtacagg aaggctttca gtcccagaat
23521 agtggttagga ctaaagtca gagaacaggg ggactgtagg agtttgggga ccttagcatg
23581 gataccctct caatctgctc ccctgtggta taaacagtaa agccattgtt actaaaaggc
23641 cttgagtgtc tgtctctggg gcaggtggag ccagtgtagg gtgccccgag aggaggatgc
23701 tggagagggg acagtgtcta aggcagttgg agaaaaagga caatggctta tgcagtcagg
23761 cctagaagat gcaagggatg tcacagcata gtgtccacag gcatccctag atgtctttca
23821 ttttgtttca ggaagaatat tgacaaagg agtgatggga ggggtatttc aaggatgcta
23881 ttttcatgtg tccaagtaaa cttaagattc ctaagaactt tgacctctaa tgcttttaaa
23941 gaccgtgtac ctcatgccc tatgacacatt cagttagaaa ataaatgtag attccttgggt
24001 gaattcgaag atgtgtcat ggagtggcac agcgtgatct cagtgtacac atgaagcatg
24061 ctgatgagag cttcttggat cttgtttctt caggtggact tgcattaaag tgcgtgtgaa
24121 tctctgcact gggagtggga gcagccatgc gatgggtgcc ttaatccgag tgccatcctg
24181 gctctctcca ggctgcttca tttgctgtga ggggtagggg gaggaggagt ttccaggcaa
24241 tggccttata tgttctgggt gttgaccaag ggtcgggggt cccaaagggt gagttccagg
24301 atgagagtgc acccttgggg atggtactta gaaagagtgg ggactaggcc tcagccaggg
24361 aatgggtggg caggggtggg ctcccttgtg tcaaggagtt agggccaagg gccatgcagg
24421 tgggcctgca gaaggtgggt ggtgatattg cctttctgggt gataacagac tcgtggcact
24481 gttttcctgg ggctgttggg gttgcatgga gcagattctt actcaggctt actgtcttaa
24541 ggaggggaaga atgctttttt atgaatacgc ataggtctgt ggggtgtgtg agcctgggga
24601 atccgaggct ggcgtgggag tctggggccc tctagcgggt gtgggtgcat ctcagctcag
24661 tgccactcac tgtccctatt tctctctgtc catttctctc ctactgcag tgcttctctt
24721 ccttcctaga tttttttctc taagtttgac tattcaccac cccagagact ctgttctatc
24781 ccatgacctc ttgctgtact ttctttcaaa tctaaatttt cttgattatt tttcttaatt
24841 tacagtttca agattagatc tgttgggagc attctgtgct ctacctcagc ccttgggtga
24901 gctatggatt ggtgtcccc atggtgacgt ggtctggact ccttttgtg tgaagagctg
24961 tggcagggca gtgaggtttt gtggaactca gggagcatct ggcactatgt atgaggttgt
25021 gaggtgggag agagctctta aatctaccag ccttgttgat cttgggaact aggagaggt
25081 gctaggggaag ccagtgccag caggcctgga gcctcatatt tctttggcat ttgtatgata
25141 ccttctagta cttcgttttt tgacctatatt atgaactaac tcaatttaga tgcttagaaa
25201 ataaacggcc actggacctg caagagatta gtagtgggtg tccatagcct tagacatttc
25261 ttacactttt atccacagat aagaaaaaaa tagtgatatt tgatttgttt tgccaaggct
25321 tagaaggatc taatatgtgt tactcgttga gcagcgggaa gcagcagaca tttctaggggt
25381 ttctccctgt caccattcag gagacagtgc acacaatccc cttggctctt acctgaacac
25441 tgaccacagg tctgtcattg caggtcggga gtcctccgtc agcatcagct ccggctccgg
25501 tgtcctcctt ctctcgcact tctatcacgc catccagcca ggacatctgc aggtaacact
25561 ctgcttcaga tgctgccatg atcagtgtgc agccagaaat aagcattagt gtctgtagggt
25621 tcttgaattt ccatttgctt aatcaatctg cctttgggtc aaacagttgg cgagttttat
25681 gtgtggtttg ctcaccaagt taccatgctt agtctcattt cttcactatg atgtctattc
25741 tcttttaaaa ttgtttttac tttctgtgct tttatcccac tgttctgcat gcagttccag
25801 tgcagtgttt tctgagtgtt gtcaccacag ttccgtgcag tctgctgttg tctcgaaagc
25861 tcctcactgc cagagtcttc tgacacaagg gctcactgtg acagttatct gtaaggacac
25921 attacaggcg tcaaagagaa attccttttg ttccagaatgg gccaggcctt tgaagcctgc
25981 taagaatacc aaagccagaa gaacactaaa gttctcaagg tccctcaatg atgtgggtga
26041 gaaggcgag gatacttcag aaagttttgc ctatgtggaa agaacttgtt ctgaagggaa
26101 attaatctc cctcaagata cgtgtctcag aactaacagg tttcatcata aagaaaaaag
26161 aacctgaac cacaaacctc ttggcaattc caaacattct tgtgtttcat gcctttctgc
26221 aggtcgctca actgcctcag aggtggaaagc tggcaagggg ggcaggcccg gcctgctgct
26281 ggaagagaag gcggatgggt aggccacgtc ccgaagccgg caactgctcc agtacctgtt
26341 ctactctcgc cacggcttga gcgccagcag cctgcacagg ttccatgagc tggagagctg

FIGURE 4 (cont.'d)

26401	cgctgctcgc	ctgcacactg	ccaagtccctc	cagcgggctg	gcagggagta	tgggcttctg
26461	ctctgacgag	atgggagacg	acgatgtctt	tgaggacagc	acatctgcaa	aactgaagag
26521	taggggttctg	cgggcgcccc	tctgctccac	ggaaaaggac	agcgacctgg	attgtccttc
26581	tcccttctct	gaaaaattac	cccccatatc	tcccgtgtoc	acgtcagggg	atgtctgcag
26641	gttggttttgc	caggaagtgc	cattctagcc	atctctgctc	gcatcaggaa	cctcctcttg
26701	cttttagtatg	tgaagtttca	ggaaaatgaa	gtaataggaa	gttgtaacca	gttgtgggtt
26761	gatgggttttc	tccagaagaa	tggagtatca	atatcgtttg	aaaaacttaa	tttttatgat
26821	gtgagtccca	agatagtttt	acaaatgata	aaagagggaag	aagctggctg	ggcgagtggtg
26881	ctcacgcctg	taatcccagc	actttgggag	gctgaggcgg	gtggatcacc	tgaggtcagg
26941	agtttgagac	cagcttggcc	aacgtggcga	aaccccgctc	ctactaaaaa	tacaaaaatt
27001	agccgggctg	ggtggcgggc	gcctgtaatc	ccagctactc	aggaggctga	ggcaggagaa
27061	ttgcttgaac	ccgggaggcg	gaggttgtag	tgagccaaga	ttgcgccatt	gcactccagc
27121	ctgggcaaca	agagtgaaac	tctgtctaaa	aaaaaacaaa	acaaaacaaa	aaaaaaaaaga
27181	ggaagaagct	acacatatta	aaggccaagc	tgactcttct	aaactaaaaa	taagtagact
27241	ttgcataaag	aaactggaag	aaagaaacta	gtatcttcag	ttttccagcc	tgatgggtcca
27301	gatttttaagc	attgttgcat	ctcccagcct	cttttttaac	ccttgctccc	tacctacccc
27361	caaaagggtgt	gtggggactg	gctgttctcc	agtagctcct	tccttccctc	tttttaactg
27421	aggtgtagcc	acctatgtcc	catcctaact	ctgtttcccc	ccttttatctt	cccttgtgca
27481	gcacccctgt	ctggcctcca	taattcactt	tttgtcatga	ctcttgtgcc	ctcctcattc
27541	tgacctttct	ccagtctccg	ctccttagtg	ccagctgtca	tcatttctaa	catttggtac
27601	agagatcccc	tcactaaaac	agcctgagag	cctggctcct	tccaggacga	gtgccccaac
27661	ctgttctcta	gctgctggaa	aagacccttc	tgtttcttaa	aagcctgtta	agttccttca
27721	ggctagtagc	tacaccttgt	tgcatacttc	cttggaataa	gagagtgttt	tcaaattaat
27781	ttctcactta	ttgtctattag	tggtcccaag	aaaaagagat	gaaattgcag	catcttgtaa
27841	tggtagtitt	tttaggtcta	ggagagaggt	actgtcatct	ttgtttactt	ctctgagagc
27901	gacagaaatg	tgtagtgtg	gggtatgaag	gtaaagttag	tgattatagc	taaaaagcaa
27961	acgtacattta	aggtcactgg	tatttttgga	tgttggaatg	cagcgcttac	catccataca
28021	agaacccgct	gggagggccca	agaccatccc	gtgcgcggcg	ggaaccgcga	catccgccac
28081	tcggatgccc	gctggagcgg	gcggagaccc	acgcgcgcgc	caatgtcccg	gcgcgcgggc
28141	tgctcaccga	gggcagcggc	gtagtgcgcg	ggggcacaag	cccagaccgc	ccggggcgcc
28201	gcgcggagaa	ggagcgcaga	ccccgtgaac	acgcgcggag	accgtccgcg	cggcccgctg
28261	cgccactgcc	tactgccagg	ggcggcgggt	gacgacaaaa	ccctcggtgc	gccgcgcctg
28321	gcagtccgcg	gccccgcgcc	ccccagcggc	gcgcacccgg	ggcgcgggcg	cgaacccggc
28381	aaggtgagag	ggcgcgtggc	cccgggcgct	gaccactatc	attctccgcc	acacggacga
28441	agcgaggagc	accacgggcg	gcggcggggc	cgcccgctcg	ggccaaagag	cccgcgccgc
28501	agcggannnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
28561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
28621	gcaggcgggc	ggagagcaga	ccacgcggaa	gaggccgaga	gagaaagcgg	ggcaccgggc
28681	cgggggggtc	atttacaagg	gacgctgggc	acgaaggagg	ctggggcgaa	gatgagtcca
28741	gggggttgggt	tgagagcgct	gcgcagccgg	gctgagaaga	gaagctgacg	agtgactccc
28801	gacaaggggac	ggggggagagg	gaacctgggg	gcaggcagag	gcctaggggg	tgggctctga
28861	gggcagccac	tcccaccggc	cctccccag	ccccgcaggc	cagccacatg	ccccgtgctc
28921	cagacgaccc	agctacatgg	atggcagcgt	cctgaagggg	gatgatcggt	agggagtggg
28981	tgcggaggct	cacgcctgta	atcccagtgt	tcggggattc	ccgagcggga	ggatcgcttg
29041	agccgggggag	gtggaagctg	cagtgatctg	cgccactgaa	ctcccgcttg	ggcggcagag
29101	tgagaccctg	tttcaaaagg	caccaggggt	gtaggaagg	agcgatatcc	cccaggcaag
29161	gaaggctgcg	gagggggccag	gccaggagag	aagggccctg	agctcagtgg	acgggcaggg
29221	tgcctgtgga	ggaaggagg	gacgtagcag	caggaggaag	ggtgaggacc	caggctgggg
29281	atcgggagaa	gtgatggcgg	aggaaagaga	ggccggaaga	ggagggggcc	tgctggcctg
29341	gcactggaaa	gcaaagcgtg	ggtttgtata	tgggaagaag	accacatccc	ctcttatcgt
29401	catcccaact	cagaaacctt	ttggcccca	gtcaccaaa	cactcatagg	aaccactttt
29461	cctgtgacac	aagtaggatt	ctcccacttt	taacttccca	aatgctaccc	gaaagcctct
29521	gaaatccttg	gaaattttaa	aaataatccc	cttctattaa	ctgatgccta	taaaacatat
29581	tgactttcat	taaattttgt	tatgaaatca	gggatgtgtc	ccattgtaaa	ataaatttgt
29641	ttggaaaatg	taggggtgga	tcccatctaa	aatcagacg	aggctagaaa	atttcaattt

FIGURE 4 (cont.'d)

29701 tatttgctaa ggtagcatca tgttggttaa aatgcatcat aaaataagac caagagttaa
29761 tacaaagcat gaagtcattgt ttccctcaaa aaaatgattt gttctgtagt caaattaatt
29821 tggaaaacat tgcaaaactct tcagcagtggt ttctcaaagt atagcttgcg tcagaatccc
29881 ctggggccct tgctaaaatc tggatggcta cactccccgc ctagagtggg ttaaactcag
29941 tgcccactgg caggaaactg aaacttggtt gaagtcaccg aggaggcctt ccccgtaaa
30001 cctctggctg gcgacagctt ggtttcctcg ccgctgcttc tgagtaattc tggcacgcag
30061 ttctctctag ccacctgctg tacctggaag ggggccagcc ctctcagca ggctttgctc
30121 ctgccctgca cagcacaact gtggcgtaaa aaatggaaaa gctggtagca gaaggaaaga
30181 gcaggagac agaggttagg tgaacctcaa tggcctcatt aaagcaaatt gagaaagaga
30241 gtttccttcc cagtggggcg ggacagtgc gaaatgcggc ccgtcctggg agaagtaggg
30301 gcgaggggtg gggggctcac cgggcacatg gccacagct ggtgccagc ctggggcaca
30361 gtttggcaca ggagaaagct gaagatgcag gagaaagcta ggtcactgcc ctagggccag
30421 gtgatcaagg tggctgttac ctgctgtgtt ggccttgaaa aagcctgggt cctctctggt
30481 cttgcagggt ccttcttttt acaaaagcgg gtcttcgaag ccctgaatat tccagttatc
30541 tgtaaggata tagaaatatt ttgcctctag atgacatgta aatatgttcc tcctaactcc
30601 acttcttctt acatctgttg ctcttcttga gaactaccag acccaccctg ttttcagagt
30661 aaacctcctg ttttgaggct aaacagacct agctgggtaa ttggtgactc actcctgggt
30721 cctccaaaga acaggggcaa gggaccaccc gggacctcag gtgccccagc acaggacctc
30781 tttctggggc accctctggc actggggccat cttcaggccc tacagggctc tcggggcctg
30841 cgtaggcctc tcctctccca gaaataagtt cttttcccca ccagactga caccagatgc
30901 tacagtgagg tttacccttc cagcttgaca agcattccta gccagaaca ctcagctgac
30961 gaggggtgct gggggaggaa ggaggcagca aggctgaaag aagcttctct gggatttcca
31021 gtgcctggct gctggctgta gccatggtga gaccacagca gcctccctgg aagcaagcac
31081 ctgtgtaaaa gcccctcctt ccccacaagg ggctggatcc aagtgaaga ggtaccaga
31141 ggactggaag atgatgctg tattattcga cagctccagg gtgctgtagc actgagcacc
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31261 cagcagtaca cctctcgggt cacctgcagg ctcttgttcc atcctgacac atgaggagaa
31321 aaagacagta ctcaaaagg cctctagcct tgtggcccca ggacctctc ctgagcatca
31381 tggcctccta ggagaccag ggtagccagg acaaaggaga gaagcatttg ctaagctaag
31441 aaaggatgga aggggattgc tgttctgcct ggatgcaccc ctagacctgg cagggcaggc
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31561 ttgctgcctt catgcatgtt cacagggtga ttccctgag acaacagagc tgggatgtca
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31741 acagctcaga ccagccatg ctccactga gaagtgggtc caggcagagc actgggtcct
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31981 gccctcagca tgcatagggc agcaggcata gattcataca cgtgagtttg cacttaagct
32041 gcagtaagag ctacagagga aatgaacaga gacagcatca ctccagttag cctccagat
32101 acaccccatg tgccagtaa gagaatggca tagtctattg ggacagccac atcaaaatc
32161 cacagaccag atggcttaaa cggcagatat ttgtctctca caggctccga ggctagaagt
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32341 gccctcgggt ccttctcttt cttacgagga tgctaattcc atcacgggtc cccaccctc
32401 gtgacctcgt ctaaccctaa tcacctcca aaggcccat ctctaattgc catcacactg
32461 ggggtcaggg cttcaacaca tgaatttggg gagcacaatt tagtccacag cagaaaagaa
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32581 tgagctctga ggggcaacca gagtcaaggc tgaagagtgg gcagtgattg agcactgacg
32641 gtggagaggg aacaggctat cttgttaatc tcagtctttt gtgtgccaga gagagaaact
32701 gaggcacagt gtgtcatggt gaacactggg cagcactccc acgctcctgt cctgcaactc
32761 gcagggttat ggaggaagcc tgggaagtct ctccctctt ttccacctt cctggacca
32821 tcccacacct tgcctcctcc aggaagccct ggggattgct catacactca catctcactc
32881 cttagtacct gcagcctgca ttctgaattt agcaagctct ggccttgggt ttctattttc
32941 ttgtcctgtg cagtgagcat ttggaaactt ctctcagca ccaaacacgg agccatttag

FIGURE 4 (cont.'d)

33001	cagaaaatac	atgagttttc	aagtcaattg	aactgttcat	cgccccaaaa	gccaggcaac
33061	acggtagagc	agctggatct	ctgttcgtag	aagctttctc	agggactggc	ccaccgagtg
33121	ggggactgca	agtgtccgat	gagtgaatga	atgaacacat	gtgtgaatgg	aattcaaggc
33181	actgcaggct	attctggagg	gtactggcct	gtctcttcga	caggtgaggt	gcagtagaac
33241	agcatcccg	atagatgcca	gtttctgacc	tggttctgaa	aagccagtca	cctacctctg
33301	cagagctgcc	tggagggggc	gggggttgtg	aggacccctg	agagcttggg	gtgaaggggc
33361	tctgcagagg	gaggcatggc	tagtgtgcgc	aaggtgacct	ctctcctggg	ctgcaggatg
33421	gagaacctgt	tcatcaaccg	cttcatgcac	atgttccagt	cttcttggaa	tgacttcgcc
33481	gactttgaga	aaatctttgt	caagatcagc	aacactat	ctgggtgagt	tgctctggg
33541	ggcccaagt	gtgctgggga	caggggatgc	tgtctcctg	tctgatactt	gccgggaaat
33601	tgacaagggc	cttctgcct	gctgcagcat	gggggcctcg	ctgccaccat	gccaccctgg
33661	acagcacc	ctacactcca	caccttttac	catcactgtg	gtcacccttg	tgcccagagg
33721	tttctcctcc	tcagatattc	aagctcgagc	accctcaacc	tcatttcaact	atcaaaagtc
33781	tcaaaagtat	cagaactttt	tcttggcaca	aatcaatcat	ttgtgcttct	gaacagagca
33841	aaggcagaac	ttggcttgtg	ttttaggtat	ttacacaaaa	gcaacttttg	gttccttttg
33901	actaggatgt	gtttgatgag	agcactagct	tcatagtggc	cagtcatggc	atgggaagga
33961	cgtttaggaag	gcaggaatgg	ctggacaaga	agaggtgctg	aaatcaggac	atggggaacc
34021	aaacttggca	aactgcccc	agggactctc	ctccacgccc	tccttcttcc	atcctggaca
34081	ctccatgctg	ggctgaagga	cctgagtgtc	ccaggaggct	tctgagccac	gaagggccag
34141	ctcaggatg	atgagttggg	gccacagcct	gacccagtga	tgggcagggg	gcagcagttg
34201	gagctgtgcc	catccaggga	gcactcggga	gaggagacca	agcagggact	ctgctcttag
34261	gtgaggtcag	gagggccatg	gccctggctg	ccctctactc	agagctcagg	gtgggcctcg
34321	cttttctcct	ggtagagcgg	gtcatgaatc	actggcagga	agacctgatg	tttggctacc
34381	agttcctgaa	tggctgcaac	cctgtgttga	tccggcgctg	cacagagctg	cccgagaagc
34441	tcccggtgac	cacggagatg	gtagagtga	gcctggagcg	gcagctcagc	ttggagcagg
34501	aggtccaggt	aggggttgat	gggctgggga	agtggccaag	gtcacagtct	gtcaggtgga
34561	agccagttcc	tcctggccag	tgctcatagg	ccaccaagac	gctaactgca	ggcccatctg
34621	gcctacagca	gccgcttcct	tttctggcca	gcagtgtcag	ccagggtcct	gggcattatg
34681	cagactgtct	tgtgcaacat	cagaggagga	attgcgggga	atgtttctcc	atgatgctcg
34741	agtctgggaa	cataatgtca	atattttcac	tatcagtatc	aataattaca	ggagctaccc
34801	ttgattaggg	gcctgtggtg	ggacaggcat	tgtgacaggt	gctttacaca	caaggtcac
34861	agttgtcacc	caccttgcaa	aggggagaac	actggagaaa	gaagcagacc	ttgtgtgaca
34921	atacacaagg	ggcacgagga	gaacccaaca	gaatggttga	ttttctcggt	agaaatgctg
34981	ctgcccattg	tcctgtcgca	ccctctctcc	cacctcacc	tcagactcca	gtgcctccg
35041	gtgcaaggc	tgacctagtc	ttgagacaga	agaagttcaa	accaactcca	cctggatctg
35101	gtggggctca	gcaacaggcg	ctggcccatc	agcctgcctc	ttccccatgg	atccagcgtg
35161	atggggcctc	ctgccaccca	ggcctgtctg	cctatcccca	ggtgtccagg	tggcctctgc
35221	tgttccag	cttttgagct	cagcttacc	tgaggcccta	gttgagagg	gatggttgg
35281	gcccttttaga	gataaaccta	cagccccagt	acctggccca	cctgaatcta	gagggccacc
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35461	gttacaatcc	cccacacact	gagagagcat	ctgtgttcct	gagtggactg	aattgctaga
35521	tgtagtaaca	ttgatttggg	ggctatagg	ttcaaacttc	aagtcagaga	tcatagaact
35581	ttaagccata	tagaatccta	gaattggaag	actctgagca	gccatctctg	caccagcag
35641	ccaaggagtg	gccatcctca	gcacctggca	gggcatcagc	ctcccactgg	gagtcgggc
35701	cacctccagg	gcacgtgggt	tatgagtcac	ctttcctttg	agctgaccca	cccctcactg
35761	actagactct	taaacacaca	ctgcccgcgc	taatacacac	cagcatgatt	cttaatcccc
35821	acagtcattc	acgtgcca	tctggcagca	ccttaatgat	ctacagcaag	cctgtggcct
35881	actaaaaacg	cctccattgt	tttttaaaat	gtgcagttat	tttccggatc	atgaatagag
35941	aaattgtatc	cctgttgggt	gtattgattc	agtgttccag	ctcaagtttg	agttcttaga
36001	ctttatat	ggattctttg	gtttcaaatc	acaaaaatca	actccatctg	gtttaatcca
36061	agaactctat	tggctcaggc	aacagtaaaa	agcaatgcta	actcatttgg	gaccagggct
36121	cagatcatcc	cctgcactgt	ctctctctcg	ctccatgtct	caatcctctg	cctctgggtga
36181	tttttctcct	aggagggttt	ccttatgtgg	aggtaaaaaa	tgatcaccgg	cagcttcaga
36241	tttaccttcc	accagcttag	caaacaccac	ccactcccag	caagaaagac	cctgtttccc

FIGURE 4 (cont.'d)

36301 aatgctccca gcagatgtct taggccatcc tggggcctca ctgattctgt gagccagtgc
 36361 ccacggccag gagaatggaa tacactgacc tagaggggac agggactcta gacaggcaaa
 36421 aactccactg tcagaagcag aatcctaaaa tgtcagaact gaaaggtagg cccgcccctc
 36481 gttttccaga aatatgaaag ggaggcttgg gataacagag aaatgctgca ggcattggcc
 36541 ccaaattctca ggcctcctat tcccagtatc accttcacca gcctgggtgg tctcaagatt
 36601 ggattagcag ccattccttc tgggtagagt ctgatggtca cttcagctct caaagtccag
 36661 ctatccagcc atagtccctag aaggcaagac atcactgtgc ccgaccaacc caagggtctc
 36721 cacctgcccc cctcaacaca aggtgccttg agtgccctcg cggggatagt ccccgctccc
 36781 accctgctt ccccgccca tcgcgacaga tgctcagagc tcatccctgg tgtcacacca
 36841 cataaaggag gagggcgggtg gccaggctcc gagctcctgc cgtcctgggt ggggtggcttc
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 36961 cagggggggcg ctctgggatg tctccaggca gagtagatac tgaccctcc gcagccggga
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 37081 ccccggccta agcgtctgct tcccggccca gcaggcctac cctgcacctg gcgttccctag
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 37201 gcacgtcctg tgcgtgtcga ggtgtgttga ctctacagc aaagggcacg gatccgagg
 37261 tcagcaagcc cgacgaattt acaccaatga cccgccgtgt cgcagctctc agaccagggc
 37321 acaacacgccc aacctgcag accaccccca cctcccagc cactgcagac ccttccccct
 37381 ctgcttctgc agcacctgtc ccgaaacacg ctcatctccg ccccgcgaga ccttccctac
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 37501 ttcccccgca gcccccctac cccaccgggc ggacagcccc gctcgcttcc tgttcttctc
 37561 ccaagggaga cccctgtcct ggctctgact ggggttgagt tcgccagttt tgacttatgt
 37621 gtagagtctt caccacgggc tggaagtacg gtnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn
 37681 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn
 37741 nnnnnnnnnnn nngagcgtac ttcagcccgg gtgaagattc cttacacctt atacaaaaat
 37801 taattcaagt tggattaaag acttacatgt cagacctaaa accataaaat ccttagaaga
 37861 aaacttaggc aataccattc aggcacatagg catgggcaag gacttcatgt ctgaaacacc
 37921 aaaagcaatg ggaacaaaag ccaaaataga caaatgggat ctaattaaac taaagagctt
 37981 ctgcacagca aaagaaacta ccatcagagt gaacaggcaa cccacagaat gggagaaaaat
 38041 ttttgcacct actcatctga caaagggtca atatccagaa tctacaatga actcaaacaa
 38101 atttacaagc aaaaaacaaa caaccccatc aaaaagtagg caaaggatat gaacagacac
 38161 ttctcaaaag aagacattta tgcagccaaa aaacacatga aaaaatgctc atcatcactg
 38221 gccatcagag aaatgcaaat caaaaccaca gtgagatgcc atctcacacc agttagaatg
 38281 gcgatcatta aaaagtcagg aaacaacagg tgctggagag gatgtggaga aataggaaaca
 38341 cttttacact gttggtggga ctgtaacta gttcaaccat tgtggaagtc agtgtggcaa
 38401 ttctcaagg atctagaact agaaatacca tttgaccag caatcccatt actgggtata
 38461 tacccaaagg actataaatc atgctgctat aaagacacat gcacacgtag gtttattgtg
 38521 gcactattcc caagagcaaa gacttggaaac caacccaaat ttccaacaat gatagactgg
 38581 attaaagaaa tgtggcacat atacaccatg gaatactatg cagccataaa aaatgatgag
 38641 ttcattgtcct ttgtagggac atggatgaag ctggaaacta tcattctcag caaactattg
 38701 caaggacaaa aaaccaaaca cctcatgttc tcatcctag gtgggaattg aacaatgaga
 38761 acacatggac acaggaaggg gaacatcaca cactgggcac tgttgtgggg tggggggctg
 38821 ggggagggat agcattagga gatataccta atgctaaatg acgagttaat ggggtgcagc
 38881 caccaacatg gcacatgtat acatatgtaa ctgacctgca cgttgtgcac atgtacccta
 38941 aaacttaaag tataataata aaaaaaata aataaaaaa aaaaaataaa gaaaatgaag
 39001 aaaatcatgt catttgcagc aacatggatt tggctagagg actttatcct aggcaaacaa
 39061 atacagaaac agaaaatcaa ataccacata ttctcactca taagggggag gtaaacactg
 39121 ggtactgatg gacataaaga tagcaacaat agacactggg gactattggg gtggtgaagg
 39181 agggaaggga gaaagtgttg aaaaactggt gagtactatt ctcagtatct gggtaatggg
 39241 accattcata ccccaaacct caacatcaca caatatacc aggttacaaa ctgacacaag
 39301 tgccctctga atctaaaata aaagttgaaa aagcaaaaat aaacacgtaa acaacaacaa
 39361 caacaaaaca gcaaacacct caataaatat ataaataaaa atataaataa atgtctttgc
 39421 cagagctttt tgttttttgc gtggctttga gttagtatct ggggtcacgt tgccttttaag
 39481 ctgttttgc tcaactgcat cctatctaata atttcttttt cttaatagta aaccactcaa
 39541 tttttgtgag gagatattac attgtgggtt tgatttacat ttctctaata atttccttcc

FIGURE 4 (cont.'d)

39601	cagtttggat	gctgagcatt	ttttcttatg	ttttttgcc	attcatatat	aattttaaaa
39661	gaaatgtcta	ttcaaatcct	tttgccattt	taaaatcata	ttatttttaa	atattgtgtt
39721	gtagaaatta	tttatatatt	ctggatatta	actctttatc	agatatataa	tttactaata
39781	ttttcttcca	tccacaagtt	ttttttaaca	ttgttatgtc	ctttaatgca	taaaagtttt
39841	aaaaagtttg	atgtagtccc	aattgtctat	ttttcttttt	gttgtctgta	cttttgggtg
39901	catattaaaa	aataattgcc	atatccccct	attctaagag	ttttatagtt	ttagatcttc
39961	catttaagtt	ttaaateccat	tttgagttaa	ttcttgtata	tggcataaga	caaagtttca
40021	acttcactct	ttcatgtgtg	gatatccaag	tttccaaca	ctgtttggtg	aagagaatgt
40081	tcttccctca	ttgagcggat	ctggaatgct	gtaaatatta	tttgaccata	tatgtggagt
40141	tttcttttaa	tgggttcttt	attctattcc	attggtctat	atgtctctct	ttaagccagt
40201	gtcatgctgt	tttaattact	gtagtcttgt	aacatgtttt	gagatcacgg	agcatgagac
40261	cttcaactca	gttagttttc	aagattgtct	agtcagagta	tatatgaata	tttagataaa
40321	tttttctctt	ttttcaaaaa	atgcagctta	gattttgata	gggattacat	ataatttgta
40381	gactgctttg	ggttctattg	acttttcaaa	ttaatacata	atggtgtaca	gatttgggga
40441	atacatctga	tattttggag	atcttaacat	taaatcttcc	aatccatgaa	taccaatgtc
40501	tttacattta	tttgtgactt	ctttcagtac	tgtttttag	ttttcagtg	acaagccttt
40561	tatttccctg	gctaagttta	ttcctaagta	ttttactatt	tttgatggta	ttgtaattaa
40621	attattttct	taattacctt	tggattgttt	atagttaatt	tatagaaagg	caactgattt
40681	ttgtgtgtcg	attttggatc	ctgcaacttt	ccagaatttg	tttaatagtt	ccaacagttt
40741	tctggatttt	atgcatatat	gcatctaaca	gttttctaga	ttttatgcag	gagtctagga
40801	ttttatgcat	ataggatcaa	gtcatctgtg	agcagagata	attttacttt	tttcttttat
40861	tctttggatg	tcttttcttg	cttaattttt	ttttccta	tggctgtgct	ggaaattcaa
40921	atactatatt	gaatagaagc	gaagagacag	agtatacttg	tcttgttcc	aatccagaag
40981	aaaagtttga	atcttttacc	attgagtgtg	agtttacctg	tggatttttc	atatatggcc
41041	tttattatgt	tattttcctt	ctatttctag	tttgctgagt	gttttcgtga	taaaaggtgt
41101	taaattttgt	taaacatttt	ttctacatca	atataaatga	tcatgctggt	ttgtccttta
41161	ttctattact	atagtgtatt	acattgattt	ttgcatgttg	tattattctt	tttttttgag
41221	atgaaatctc	attctgtcat	tctggctgga	gtgcagtggc	atgacctcag	ctcactgcaa
41281	catttgcctc	ctgggttcaa	gggattctcc	tgtctcagcc	tcccaaagtg	ctgggattac
41341	aggcatgagc	cagcacaccc	tgccacatgt	tctatcattc	ttgcattcca	ggaataaagc
41401	caacctgatc	atcacaaata	ttggtctgta	gttttctttt	catgtaatgt	ctttgtttga
41461	ctttgaaatc	agggtaatac	tggcctcata	taatgagctt	tgaagtgttt	tttatattca
41521	tttttgtaaa	tgactttgag	aaacatttgg	tctaattctt	ccttaaatgt	ttggtagtca
41581	tccggttctg	ggctgttgtt	tgtttggagg	tttttgaacc	agtttaactc	ccttcgtagt
41641	tataagtctg	ttcgtttttt	ctacttcttc	atgattcact	cttattaggt	tgtatatttc
41701	tagaaattta	tgcacttcta	aattatccaa	tttgttgaca	tataattaac	tgttgatgg
41761	attttcttat	aatccttttg	atttctatgg	catgggttct	aatgttctct	tttttatttc
41821	tgatttatta	gttgaatctt	ttttccttag	ttaatctagc	taagcatttg	ttaattttgt
41881	tgggtgtttc	aaaaaccacc	tcttagtttt	gttgattttt	ttctattgtt	tttatattct
41941	atatttcatt	tatctctgat	ttaatctaat	ctttaggatt	ttcctccttc	tgctagcttt
42001	gggtgtagtt	tttttctct	cctagtttcc	tgaggataaa	agttagggtg	ttgatttgca
42061	aactttcttc	tacttctttt	tttttttttc	ttaagtgtg	gagatgggg	cttgctttgt
42121	tgccagget	ggtctcaaat	tcttggtctc	cagaagttct	cctccctcag	cctgtcaag
42181	tgctgggatt	gcaggcatga	cccaccatgc	ctagccactt	tcttctttt	ataatgcaca
42241	tatttatagc	tataaaattc	tctgttagca	ctgcttctgc	tgcattctac	acattttgg
42301	acattgtatt	tttattttcc	tttatctcaa	gatattttct	aacttccctt	gtgatttctt
42361	ttttgaccca	ttgcttgttg	aaaactgtgt	tgtttaattt	tcacataatt	gtgaattttt
42421	tgttttctct	ctgctactga	tgtctagttt	tatgtcattt	tcatcaaaat	agatattttg
42481	tataatttca	atcttttaaa	atttgttaca	agtttttttg	tggataaaca	tgtgattttat
42541	ctttgggaat	attccatgta	aacttgagaa	aaatactatt	ctgattttat	tgggtggaat
42601	gttctgcaca	tgtttgttag	cactatttat	agtgttggtc	aagtactgta	tttcttatc
42661	gattttctgt	cttgtgtgtc	tagccattat	tgttaagtgt	gaattgaagt	cgcctaccat
42721	tattatgctg	tttatgtttc	ctctctgata	tgtcaatgtt	tgcttcagat	atthagagc
42781	tctgggtatta	gaggtatata	tatttghtaat	tgttatatct	ttctgctgaa	ttgacttttt
42841	gttatataat	atccattttt	ttgtcttgtg	actatttttt	actttaagtc	tattttgttg

FIGURE 4 (cont.'d)

42901 gatagtagta tagtcacttc tgcttgcttt tatttaccat ttgcatggca tttacttttc
42961 ctttttttca ttttaagcat atttgtttct tagacctaaa tgacaggata aagttggatc
43021 cttttttacaa atccattttc cagtctatat cttttgattc aggagtttaa tccattttaca
43081 tttaaagtaa ttactgatag ggaaggacct acacttgcca ttttggtgtt tctgtatgt
43141 tttgtaaatt ttgtttttta ttccctctct tactgacctc ttttggtttt tgctgatgtt
43201 tttttgtggt gacattttga ttcccttctt gtttcctttt gtgtgtattc tatagatttt
43261 tttatggtta ccataagaat tataaaaaac atcttaaagt gttacaagc tattttaaac
43321 tgtaagaga ataacttcga ctgtgtacaa aaactatttc ttcaaagctc ctaccctcac
43381 cttaggttac ttatgtcaca agttacatct tcatatgtaa tgtattcatt aacacagttt
43441 tatagttatt ttttaagcttt tgtcttgtaa attctataca agaattaaaa gtgcatttat
43501 gtacaaaaac tgcatagtac agtctctata tatgtccata tatttatctt tactggagag
43561 cttttatattt tcataagact tcatgttact atttagcatc cttttgtttc aacttgcaag
43621 atactacagc aggtccagtg gtaatgaact cccaggtttt tgttcacctc ggaaaggctg
43681 atttttcctt tatgtttgaa ggtagggttt gctggatata atatttttgg ttgaaatttt
43741 cttttctttc agctctttga atataattat cccctgcctt ctggcctgca aggtttctgt
43801 tgataaatcc actgataatt ttataaaggc ttctttttac atgacaagtt actttctttt
43861 gctgctttca agattgtctc tttgtctttg acttttgaga gtttgattat agtgtgtctc
43921 actgtgagtc tctgggtttt ctttaacatt tttttttgt tcatatcttc tgatgatgaa
43981 ttcttttaac ttttatattt gtgaaatgtt ttttcttcat tttcagaagg tatttttagt
44041 gagtgtaaaa ttctacattg acagtttttt tctttcagta ctgttttagt tttctctact
44101 gtcttcttgc ttgtactgat tgtatagaaa ctctgctgta attcttatct ttgtgtcttt
44161 gtacttaatg tgccttttta ctctgcctgt ttttaagatt ttatttttat tattgatttt
44221 gatcatgttg cttgggtgtga gtttcttcat atttattgtg cttgggggtt attgagctta
44281 ttaagtctgt aggtttatat ttttcattac atttagaaaa attgtagcca ttattcattc
44341 aaattttttt ctgttcttct cccatttctc atgcccttat ggggtctaata tatatgtata
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44461 ctatttccatt tgggcagggt tattatactt ttccctaatt tgctaatttt tttgcaatgt
44521 ctaatccact gttaatctca tccaatgtat tattaatttc agacattgta gttttcatct
44581 ctagaaattg ttcatctttt tatactctct ttgtctctat ttgatatgct aagtcttttc
44641 tctagcttct tgagcatatg aaatatagtt atgacaacta ttttatttta ttacaacttt
44701 taccttaggt tcagaggtag atgtgcagg tttgttatgta ggtaaaactc tgtcacagga
44761 gtttggtttt tatttcatca ctcaggtagt aagcctagta cccaatagtt gttttctctg
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45061 aacaatgttt accagtttgc tctaagcctt tcttagctct tttgcttgtt tctcaagaac
45121 aagcacagag ggtggagctc aaccaagact gaagttaaag atgtagaaag attgagatgg
45181 gaagtaatta agttgaggag ctctgataca atgggtatttc tctttttaat catgtaagat
45241 gcaagcccaa gataatatgt tgggaaagtt gaaggcgaat gtcttgagaa atatgaaatg
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45481 cttggccagc aagtcactc gcagcacaga tctactctc tttcagtcag tcatccaca
45541 actctacaaa gcatttttct ccatcaaagt ggaacttttg gggttctgca taatttttca
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45781 tctctgaatc tcagttctcg ggagtaacat atacaattca ttcttacttc cagtctttta
45841 ttcttaagtt ccttatctct agttctcttg catatttgtg gcaattatta gtttttttcc
45901 aaaaatccat tctccctttt tctgtacat gtatctttcc agcttgacca catttccag
45961 cttccctggc agctaggtga agcaatgtaa ctaaaacttt gcctgtaaaa tatgagcaga
46021 agttatgtgc acaatatctg cctcacttgc ttaaaataaa ttgtattatt tgagctttct
46081 atattgtccc tttttacaac taaaatgtag aggttatggc aacttttatg gtaaagagaa
46141 tcatcacgta ggagatcaag aatcattgat ttgagaggaa ctaaatcct ttaatgactt

FIGURE 4 (cont.'d)

46201	agtggagcaa	gactgcccc	tcagtctgga	agctacccca	caacttatgt	atatcttcag
46261	attgttgagc	aaaagagaaa	aaatgaagcc	actatatatt	taggtctctt	catgttaaca
46321	gttttagctt	taacctaac	cacatttatt	cctgaatgg	agcatattat	taacatcaca
46381	ggaagggaat	tccttggtca	tggatctttt	attttggtga	aataaaggta	atctgcttgg
46441	gcttaatact	gccaaaggcag	aattttttgg	aataattatt	tctatagatg	accattcat
46501	aatgacaact	aacatggttt	ctaaaatgga	ttcatgtacg	tcattcttatt	tagtccccgc
46561	aaaaattctg	aaggtaggta	taattattcc	cattctatat	attgaaaaat	tggtattcag
46621	agagactacg	gacttatata	agtttctgca	gctattttaag	aaacagagta	aagtctcaaa
46681	gccattaatg	aactgttttag	tttagtgctg	cttagtaaaa	ttagaactgt	ttgaagtgcg
46741	ttttaatagt	aaacccatcg	atattttagtc	agctctctgc	ttgctaacta	atatggaaga
46801	aaaaacatac	atctacgtac	atcctgaatt	gggagaagg	aaataaaata	ttgccaatcc
46861	cctttcctgt	attaggtact	gtgataaggc	gataaggctt	ttcattatta	taaatgagtc
46921	ctggagaggt	taagcgcagt	cacccaaagt	cacatgacca	gtaactttca	gagattttac
46981	cccagggtctg	gaaagactct	gaagcccatg	ttattgcctc	cagagcctgg	tggtagaacc
47041	ctgaatggga	cagagactca	gcagacagag	tggtcctttc	cttcaggga	gtcagggaag
47101	gtttggtagg	ggagatagag	ttagatctgg	gtgggatttg	gatgaaatga	gatcaagcag
47161	ggataaataa	gatccaagct	gtttatgagg	gacagggaga	ggcagctct	gttagaaga
47221	gtgggtttata	cagagaagca	tggaaacatt	tgctccatgc	ctcgccttcc	atggatagca
47281	gtccagaaat	gctacttgcc	tgcttgacag	tctttctcca	gtccccaggt	gtggacacgt
47341	tctgagcacc	tgagcctggg	tctgcctga	cccagattct	gtgagctggg	acagagaatg
47401	tgtcctgctg	tccctcctcc	cccacttggg	cccacaccct	tttctacaca	tttggattag
47461	aaatctgaat	tggtcctttct	gtgaacccca	atgacaggca	agtcaccagt	aaagaagcac
47521	ttaatttaat	tgctccttca	gggtccactt	agagtaatag	ttgtgaacag	ctctccctag
47581	tgtctcccac	aggcagtgac	aaatgttgct	aaagataagt	cacaaattct	tggtcaaggcc
47641	atcttaataa	tggtgaaggaa	accttggtca	gtcctgaaca	gtcctgttca	gactgatctt
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47761	agagaggaca	gctatacata	aagtctgttc	actctacaaa	ggtgaaatca	tttttttttaa
47821	ggtaattatg	attgtttctga	ggatgggtgat	tgagtgcacat	ttaaaaaatg	ggaaaagtcc
47881	tactcataac	tctgtctgct	taatttgctt	atataaaaga	cttaatgggt	tttgttgagt
47941	tgatccagag	tcagtaacat	ttgaatatgt	gttattacca	tttgatcagt	aacaaaacaa
48001	cagggttaagt	gggatgcca	atgtggctga	gagtttaggg	ttacatttcc	acacccagc
48061	cttaaatatg	tttgtataaa	ttattgggtg	atttttcttt	ttcatggctt	ttctttgaca
48121	tttgatgggg	ctggatttat	ggaggcaacc	aacaaattac	acagcaatga	attctggact
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48241	gtaagttatt	tagatacatt	tatgactttc	caaatacaata	ggttggaaca	agttatcttc
48301	aaaatgtctt	tcagatttga	ccctgaacat	atgctgattct	ggcatgttct	gatttttagt
48361	tttctgttct	tgaagcatgt	ctacaataga	aatgcctacc	ttcatatata	ataaaaggac
48421	attagattaa	tatgggtgtct	gtgaaaatca	ttgaacagct	ttagagataa	aaataatgaa
48481	atgagtcaag	ttctccatta	ttaattaaat	cttttaaat	ttctgtttat	gaaactatga
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48601	taattttgtct	ttagaaaata	ctcaatgaaa	ttaccttttt	aatttcagag	attttgagga
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48721	agaagcttga	gtgccaagg	gtttgataaa	tgtggaaaat	aaccgctgtt	cgaatatcct
48781	gttggtcctgc	tggtgagatg	tcacgtgtgt	gtctgaatgc	agtatgtgtt	taaacttgcc
48841	atttattacc	tgaaattgtg	ttattttgcc	tcataccctt	agtaatactc	ttgtaatgct
48901	ggctgagaat	tgaagcaaat	gccctatgaa	actcaaggga	gcaaggctct	tggtattttt
48961	cagaagaaat	gactggctga	ggctgtaaag	aaatcttgtg	gtcattctca	tggtgaagg
49021	attggagccc	cgattctttg	atctcattat	tgaccagttg	attgagaaga	ctgtcctcct
49081	gtccccaccc	aatcacata	agtgggtaat	tacctgagg	ctaatttgct	ccttgatgtg
49141	gaatacattt	gtggaaattt	ccttggtgtc	agcacctgtt	caaaacatcc	atttgtattg
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49261	ccttcgtaat	aggttttctt	gtcaccaggaa	ggatgcgtga	cagactctgc	acactgctgc
49321	ttggtaggtg	ttcagtgatg	gatgcgtttt	ccatctccca	ggtacagctg	cagctgtgct
49381	gactctgggtg	cgtttgtaat	atgcactgtg	gagtgaccca	tgatttcatg	atggctggag
49441	aaatctgggtg	gctagaattc	tagggaggag	gacatgagtc	ggaagtgcag	aaacctcaca

FIGURE 4 (cont.'d)

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49501 ctgggacatt gatggagaaa atccaattct gtccctggag ttaaagagga gtcactcact
49561 gggccatcat aagagcaaat aaagttagag ttattttcttc agatccacaa ctcaaactca
49621 gcgaaagtaa ttattcactc tttttgtccc aaacaataat gaaatcagct aaagcatatt
49681 gtattttatta cttccactca agttattgag ctgttctgac acctgtgtgc tgggaagata
49741 cacagatgga acaccatcat ttccattgat tctgatcata cccacgcta atatagcctt
49801 attgctctga gtcataggga ttttatgctt gcctattcaa aaaacagttt ttaccttatt
49861 aaaaggatgat atgacctgag ctggagatga tgtttggtca ttttgtgtaa accttttaat
49921 attttagtgg taaatacatt tcttgaatct tgacaaaaac ataattaaaa tgaacatatt
49981 taaaatggac atcttccaaa tgttcatttt taaaacaaac atcttccaaa tgttcatttt
50041 taaaatgaat atcttcgtta actttttttt ttttttttga gacggagtct cgctctgtca
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50161 cgccattctc ctgcctcagc ctccagagta gctaggacta caggcgcccg ccaccacgcc
50221 cggctaattt ttgtattttt agtagagacg gggtttcacc gtgttagcca ggaaggctctc
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50341 gagtaccac gccagcctc ttcttaact ttaatatgaat aaagagttga aagggaaaaa
50401 ccaaagtgtg actatgctga ttttatcttg agctgtacag aatgtgcagt aacttaagaa
50461 tataagtcat tctgctgtta ttcatactag cctattcttt agcattattt aaacacacat
50521 atttgagtgt ctacacactg cctgtaggc agggggctgg gtgccaagaa gggatgtcca
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50641 tgacgtgtat tgtgtactag gatagaagtc agtatcagag gaaacacaaa ggaaagagtg
50701 gtactttctc cccagggaag ggtgctcag aaagaggggg ctgattatgt cctgggttca
50761 tgagaaaaag ggcattcctg gctcaggag tgggaagaac aaaaccaaga aatcctggaa
50821 tggcttggtg catcagccag tctgtgagtg cagggcattg ctggagtctt ggctttaaga
50881 tgagtgggaa gaaaggctgg agaggaggtg gatccaggaa aagttgctgg gagcatttat
50941 tcttttggca atgggaagcc atggaagaac tgttgaagg aggattctgt gtgatacatc
51001 tgccttttag agaggtcatt ttatagaaaa agtagaaaat acagaccagt aaaaaattaa
51061 aaagtgaaaa caatcactgt tcaagctctg gtctagcact caccagtgtt ttctctacag
51121 gtgcatatac aaacatgctt ttacatttta tttttatttt aaatttttca ctatcctcaa
51181 tatcagtgga aacaaatctg cttttttaat ttttttttta aaaatgagat cctattgtac
51241 acattatttt aaattttttt tcattctttc ctttttttaa aattaaaaca atttttttgg
51301 agacagtctc actctgtcgc ccaggctaga gtgcagcatc gtggtctcag ctcaccgaaa
51361 ccttgccctc cagggttcaag cgattctcct gcctcagcct tccaagtagc tgggattaca
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51781 ggggccaggc ccgcccagg tagtcaggca ggggtcccgg ctccctcccc aggaccaccg
51841 ccccgcgggc gctcacgtcc tgatggcttc ccacaccagg agcccgctct cccggtagaa
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52201 gcagccgggt ggagaggtgc tagggaggag cctcccgccc aatccaatgc aagggactga
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52321 gcgtgggcag gtgtgtgggg gacccagca ccagcggggc tgggtgtgta agtctgctct
52381 agtctgagc acacgacctc cagtattgct tctcagtgc cctcagtttc caggacctat
52441 gcaactctgt tgaggccctg ttgtgtgctc aggtgagggc tggagagacc cacaaggagg
52501 gatcctggtc ctgatccga tcccggcttc tgagtgtgac agacacactc acaagctcac
52561 tggcacatat gtgtgtccac gtgcacacac acacatgcaa atacaccag ggggtgggc
52621 tgtcggtgcc acagaggttt tgaagaagga cttgggtgct ggggtgccag agattggtcc
52681 acggtgggca ttcagcccaa gcaggaccaa ccagagctgc ccccagcac tttctgttta
52741 gatgcggctg ggagataatg gccacatgag aacctgaggt ggagctacta tgatgagctc

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FIGURE 4 (cont.'d)

52801	ctgtgccctc	tcccatgggg	gcctgtctgc	agcaggagag	tgtgatgcc	acacaggta
52861	aagagacaga	aagagggagc	cagtgtgcat	gcacctggg	gcattgcttg	agtccttgg
52921	tccatttctg	gctgaggccc	ccgacctct	atttgttcca	ggtatttgag	ataaggcatg
52981	tcttgtccag	ctgcagctgg	tttgagttgg	gttttgtcat	ttgcagccca	aacagtgtct
53041	caacttcagt	ggtcatctgg	cctggtcact	aatgggctgg	ggaaaggagg	aagggtgggg
53101	caagggccca	tgtgagagtc	caagcttgg	aaggctacag	agggctcaaa	acgaggtggg
53161	gtgtacactg	agggatgcga	gggctgggca	gggcctggag	tccccgatgc	aggagacagt
53221	gggttgggag	ggttgggacc	cgggaagcag	agtgtctggg	aggtccaggt	cagggtggca
53281	gggtgtggc	agattaagag	gcagacacag	gttcttgggt	cgtaggaggt	cagggggcca
53341	taaggagtgt	gttccagagg	gggtgtaca	cccaggctcc	agaggctggg	agaggggagg
53401	ggtgggagga	ggggaccagg	agccatcagt	gagaagggaag	acctgggtgt	gcgcctggag
53461	gagtgtcct	ggctgaatgg	cacgggctgg	agacatcagg	aggatgtctg	agccagtgtc
53521	ctgagcagac	tccagccttc	acccttccag	gcctcctgaa	aggggtgtcta	gatctcagat
53581	agggagtga	ggcggccagg	ctgggtcctt	ccaggcaaca	agtagggtag	gagggcaccc
53641	accttgtcaa	agaggccaca	ctcgcagatg	agctgtcac	gggccttggt	gttgattgca
53701	atggtgaatc	tcacgtgtgc	caccagcagc	tggggagggg	agaggaggag	gcctcagagg
53761	gggcccagtc	aggtgacctg	gtgcctcagg	gacccgcagc	tccccaccc	aggtcctgcc
53821	tataggatga	tgtggggcgc	agggaggaa	tgaaggctgg	gtgctgatct	ttctgtgaa
53881	taagtgtctg	aggcctgcac	ccctctgatg	cttactaagc	atgataatga	ttcagaggg
53941	cctggccagc	acttgtacaa	tgttacctc	tttgtctcct	gagttcactg	tcttaatctg
54001	accatcattc	tgttaaggcag	ctgtactatt	tgacctgttt	tactggtgag	gaaactgagg
54061	cacatgggta	cttttagcat	gcagtacccc	cagcagccaa	tgcttgtagg	attcgagaac
54121	agggacggag	agtgatggca	ggggcgggcca	tcagcatcag	ccgaggatca	ccatgaactc
54181	atttgccctt	tccaactcta	ctggctggcc	agcgaggccc	gtgtgtcagg	cccatgcccc
54241	agccgcgtgt	cctggggaac	agcaggctcc	tagctgtttt	cttcccttag	gggcattact
54301	gactctgaga	acatctctcc	agggctccct	ttctgcccac	cactcccagc	cacaggctcc
54361	cctgtgggat	gtcagtgatc	cctcccactc	cacatctcag	atgccctccc	atagcagggt
54421	gggcggtagc	tggctgtacc	ttgaaaatgg	ggtgcacagc	aggcagctgg	cggtagattg
54481	caatgccaaa	aacctcagac	accagatgtg	ttcgcagaag	gtgggtgatg	gtctggtgga
54541	cgtggaagtc	actggaacgc	acccagattt	tggccaaaag	ccagtcgtat	tttgcattcc
54601	aaggaggagaa	aatagggttc	tcactctccc	ggatttggtt	gagctgatac	attgggggaa
54661	aggaaacaca	ctgctatatt	tcacttcaga	gtatagtgtt	tggagaactt	cgccctcttg
54721	gaagtctccag	aagtatctga	atttctttaa	cagtgacttt	ggaatcagaa	cagctgggag
54781	ggggtaaagg	gcccgtcggt	ggtatttcct	gtcccagcca	tattacttac	aacctgcagt
54841	actctggatg	acacactggg	ctttctaagc	tccggcttca	gcactgttca	tgtggggaca
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54961	aggccagca	gcggaggggg	aggatcgctg	tccccctctt	ccctccttgc	cctgtccctt
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55141	tcctgtttaa	aggtctgggg	ccctcctggt	actgagcctc	ccagatcagg	gtctgcagct
55201	tgagctctgc	ctggagccca	cacctgtggc	caggcacctc	ctgtagcaga	ggctggacct
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55321	atgcaaata	tgtcatgtta	actgcctcct	caatcacctc	ttaatgccag	aaaataaaat
55381	ccccagctc	tgtggtgacc	tgggtgtgta	tgcctctgta	cacacagcct	cactttcgtg
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55621	gaatgaggtg	ggtggcagg	ctgcagccaa	gagcggccag	gaaggggcat	ggccagactt
55681	taggtgtctg	gaaagaccag	tgtcactgca	gcacagtgg	catggctggg	gagggagaac
55741	tgtcccagag	cacacagctg	tgtcacttgc	tataagtatt	gtggaagggt	gggtccttgg
55801	gcgtctctcc	ctcgaaaaca	gtgctgtcca	atagacatat	aatgctaccc	cacacatgga
55861	attgtatata	ttcaggaagc	catattaata	aaaataaaa	gaaacaggtg	aaatgccgg
55921	gaataatata	attttatatt	acccaatata	tccagaatat	tatcacttca	acatgaaacc
55981	aatctaaaac	tattaaatga	gatatttcac	attccccacc	tccttattct	aagtcttaaa
56041	aatcaggtgt	gaactttgca	cttgccagcag	gttttggttt	ggacgagcca	aatcccaagt

FIGURE 4 (cont.'d)

56101	gctccagagc	cctgggtggcc	agtgggtcca	ccctgggtcag	agagacccca	gaagcctcag
56161	cactccctga	ggaccaagga	ggggggaggg	aggagggaga	gcagagtgtg	acttgacat
56221	taggcgtgcc	tgtctgttta	tacttgagat	tagttggctg	cttttaata	ccagacagtt
56281	tcacataaaa	atgtgaatga	cctgggttttc	ttgaaaaatt	agaaggtctc	agaactctgc
56341	accaggttc	tcacagaact	acgctcttgt	cccttttaca	gagtcaccagc	tctcagggtc
56401	cccactgcc	caccggtttg	catgagatgc	ctggggccact	gatacctgat	ctgtgcccta
56461	gaatgctggg	ctgcctggca	tgctctgaga	cactttctga	catgtcccca	catgctctga
56521	catgttcctg	atggctctgg	gacactgaca	tgttcctgat	ggctctggga	cactgacatg
56581	ttcctgacat	cctctggggc	cgaggagccc	ccctgttgtg	tgctaggggc	tttaccatg
56641	ctatctcact	taatcctcac	tttgaccctg	caaggcagat	attccttgct	gtaccattt
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56761	taaagagctc	agccggcaac	atgatattga	acaggcaaaa	attggaagca	atccccctaa
56821	aaactggaac	aagacaagga	tgtccactct	caccctcct	attcaataga	gtactggaag
56881	tcctagtcag	agcaattagg	caagagaaaag	aaataaaagg	gatccaaatg	aaaaaaaaaa
56941	aaagaggaag	tcaaattatc	tttgttcac	catgatatga	ttctatacct	agaaaacct
57001	gaagattcct	ccaaaagact	cctagacttg	ataaacaact	tcagtaaaag	ctcaatgtta
57061	taagtaaaat	gcttggtttg	aaacagaatg	ctgtttcctc	ggtactgcaa	ggaaaaatca
57121	gcattttagac	aaaaagtttt	tttagcaagc	caattttact	ttctgcagaa	aggggtgctcc
57181	tcgcagatgg	aacaatggcg	agagcacacc	tgaataatgg	agagaagcaa	tttttattcc
57241	ttacgcagct	tgteccctgct	accgtgtcct	gtctccattg	gctggagcca	aacctcacag
57301	tctaaactaa	aaccgcactg	gctaataact	taaaactttt	ctaaataggt	aaaagcagtg
57361	gaaagacaaa	ggaaaagagg	aagttgctta	tgaaaggact	tagaaaagta	ataacatttc
57421	caataaagga	aggggcatgg	gctgcaagct	gggacatgcc	tgtgagcacg	tccagcacia
57481	atatcttggg	taaagtacaa	ggacatagaa	tgtactcatt	cccttatatc	taacagctac
57541	atatgatagg	gcttaacaaa	aagttattag	cacaaagcga	aaaggcttaa	aaaaagttag
57601	tccttagaaa	aaactattat	ttctaacaca	taattttact	cttaacaaaa	aaaaaacttt
57661	tgactttcta	cactcaagat	acaaaatcag	tgtacaaaaa	tcagtagcat	ttctttttat
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57781	caacctccgc	ctcccaggtt	caagcaattc	tcctgcctca	gcctcccaag	tagctgggat
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57901	ccatgttggg	cagggtggct	tcaaactcct	gacctcaggt	gatctgccc	cctcggcctc
57961	ccaaagtgtc	gggattacag	gcgtgagcca	ctgtgcctgg	cctaaaaatc	agtagctatt
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58681	atgtaagact	tcaaaacttta	aacattctag	aagaaaacct	aggaaaaaat	cttatggaca
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58801	gacaaatgag	acttaatcaa	attaaagagc	ttctgcacag	caaaacaaac	tatcaacaaa
58861	gtaaacagac	aacctacaga	atgagagaaa	atatttgcaa	ctatgcatcc	acaaacgact
58921	aatacccaga	atctatgagg	aacttaagaa	aaaacaccac	cattaaaaag	tgggcaaagg
58981	acaggaacag	acacttctca	aaagaagaca	tacaagtggc	caacaaacat	atgaaaaaat
59041	gcccaacatc	actaatcatc	agagaaatgc	aaattaaaaac	cacaaaggga	taccagtcag
59101	aatgggtatt	attaaaaagt	aaaaaaatga	cagatgttgg	caggatgcag	acaaaaggga
59161	atgcttacac	actgttgggtg	gcagtgtaaa	ttacttccat	ccctgtggaa	agcagtttgg
59221	agattttgca	aagaactgca	aatagaattta	ccagttgacc	caacaacccc	attactgtgt
59281	acctacccaa	agggaaaagaa	attgttttac	caaaaggaca	taggcacaca	tatgtttatt
59341	gcagactgtg	tcacaatatc	aaaatcatgt	aatcaacctc	ggtgcccata	aatagtggca

FIGURE 4 (cont.'d)

59401	ccagataaag	aaaatgtgat	acatgtactc	caaggaatac	tacatagcca	taaaaaagaa
59461	tgaaatcgtg	ttctttgcag	caacatggat	gcagcttagg	attggcactt	aagccataat
59521	cttaagtga	ttaaccacaga	aacagaaaaat	cgaatactgc	atgttcttat	ttataagtgg
59581	gagctaagca	ttgtgtacac	atgggcataa	aagtgggaac	aaaagacact	ggggactcca
59641	ggaaggggag	ggagggagga	aaggggtgaa	aaactgggta	ttgggtacta	tgctcagtat
59701	ttgagtgatg	ggttcaatag	aagcctaacc	ccagcattat	gcaatataac	catgtaacaa
59761	acctgcacat	gtacctgaat	ctaaaatttt	atatattaaa	aaaaaaaaaa	ctgttctgac
59821	cagtaaaaaa	agagctgaat	gaggatgggc	ccagtgtctc	gcctatttca	gcccactact
59881	ctcccttctg	cttctcttca	cctcccgccc	tgaccgggcc	tcacctgccc	atctccttga
59941	gctcttgtac	cactgagctg	ggccttcccc	aacccatcct	tcacatcctc	ccactcctgt
60001	ccaggatttt	ggcctgccat	gggatgccag	aacttgccct	gagcaatttg	tgtttcttaa
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60361	gcgtccttgt	gtccccatgc	tggcacagta	ggcctgtgc	atccttgcat	tcattttaca
60421	taagtggagc	catgcccat	gccttagcag	tttgaaggag	ctatttgtat	acgacagata
60481	tgtatccttt	atcggtccct	tgtgtcttgt	ttttccactg	ttaactcatt	gtggagacct
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60781	agtgcctgcc	ctactgttcc	tcagacagtt	tcactctcct	ggtgcacacc	tgttcagtgc
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61021	aaatgagcaa	cttgacaaac	aagagggtaa	cagcagccta	aaacaacagc	caaggaagcc
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61141	tgagttgttt	ttcagaaacc	cagaccccca	ccaaaccgat	ccactggcac	agagacctca
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61261	ggggcctggg	ggaagtcccg	cccacagcc	acagctaaca	ttcctttctg	gtaacccaaa
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61561	ctgcccaatt	ctcctttttt	ggtccccgca	ataaatgcct	tgtgttctcg	tagattatat
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61681	cacaactgtc	ctcgccacga	cagcctcaac	cccaggaccc	tctgaccgcc	cactgcaaca
61741	tgcacctggt	acagcaggcg	ctgtgggatc	tgctccgggtg	ctggccgaag	ctctgacctt
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61921	gggagttacc	cctttgtttt	tccaaccagg	catgtcagaa	atgatatctc	attgttaact
61981	ttcattttgca	tttctctaac	tacaggtgaa	gttaggagtt	tttccatatg	ctgggtgccc
62041	atttacattt	cttcttttgt	gaattgccta	ttcatattct	ctgctcattt	ttccactgga
62101	gtattggtat	tttcccgcta	atgtaaagga	gctacctgtg	tatcatagat	aggcatctct
62161	tagctgtcac	ttctgttatg	gttactcacc	ctaattctctg	ttttgttttt	tggccttggtt
62221	tatggtttat	cactcaagtt	ttaaaacatt	acataatcaa	atatgcttag	ctttcccttt
62281	ataaattctt	ggtttctctt	tcttcttaaa	agtcttctga	gtgtctgctg	atttagtttt
62341	tctaaattcg	tttacttttt	tcattttta	ttttacttca	tctgaatttt	ttctttttct
62401	tctaagcaac	tcctctacat	gatgagattt	atttttgtaa	atggcatgac	agagcagtc
62461	aattttaattt	tcttctcatg	caaaggcagt	gtgatagcat	cattaaaata	atatcccttt
62521	ttcactgagt	tgaaaaacct	ccattgtgat	acactgaatt	cctctgtggg	ggagtccatt
62581	tctggatctt	actctatact	gtcccccaat	tctctctgtt	ttcaagcaca	gtgtctgctt
62641	aacagtaacc	ttacaaatcc	agcaaggaaa	gtgttccttc	tgtgtttttt	tttacttttt

FIGURE 4 (cont.'d)

62701	tttttttttt	taaagatagg	gtcttactct	gttgcccagt	gtggagtgca	gtggagcgac
62761	catggctcac	tgcagcctca	aactcctgga	ctcaagccat	cctcccacct	cagcctcctg
62821	agcagttggg	attacaggca	tgcgccacca	tacctaattt	tttctattaa	tttttttttt
62881	ttttaagaca	tgaggctctca	cttgggttgc	ctgcctctct	atgtggtttt	aatttttttc
62941	aaaaaatttt	tgactatgct	agatttcttt	ttccatata	atctttcaat	tttttaattg
63001	ttttctctcc	tttttagttc	ctcttcacca	ccaccacacc	cccaccaaga	aagataaaaa
63061	attctggctg	aaattttact	tggagagtga	ttagtttttt	ataatagaat	ttggtagaac
63121	tgacattttt	acagtttctt	ccccaatatc	aaatcactgt	taagagttca	ttgtatatcc
63181	tttaaaataa	ctttatagtt	ggccgggtgc	ggtagctcac	gcctgtaatg	ccaacacttt
63241	gggaggctga	ggcaggcaaa	tcacaaggtc	aggagttcga	gaccagcctg	gccaacatgg
63301	tgaaatgccg	tctctactaa	aaatacaaaa	aattagctgg	gcgtggtggc	aggtgcctgt
63361	aatcccagct	actcgggagg	ctgaggcagg	agaattgctt	gaacctggga	ggtggaggtt
63421	gcagtgagcc	gagatcacgc	cactgcactc	tagcctgggt	gacagtgcga	aactccatct
63481	caaataaata	aataaataaa	taaataaata	aataaataaa	taactttata	gtttttcctt
63541	atatgggcat	tatattttat	tgttagtatg	gagaaaggct	attgattttt	ttgagaaata
63601	tatttatcta	aacactttgc	caaatgaatt	tattaatcta	gtagctttta	aaaaaattag
63661	aatctcttgt	gttttctagg	tctaccatag	cattaccaga	aaagatcaat	ttccctgttc
63721	tttgacaata	tgtttattga	ttgttttctt	gttttatcat	gtggtatgac	ctctaaaaata
63781	atggtgaata	aaaacagtga	tatcagcatt	cttattattt	taatggaaat	ggcattagag
63841	ttgcaccttt	ttgatgttag	ctatctttat	catataaagt	aaggttcctc	ctattaattt
63901	ttattagttg	tggtctattaa	atgttattaa	attccctttt	agtgtgaatt	gatataatca
63961	taaactttat	ccttatgggt	ataataaatt	atggtggtag	ctctcttgat	attgaaatat
64021	ctggaataaa	ccctgcttgg	ttattacata	tagtcattta	atacactgct	gcaactcactt
64081	cgctaataatc	accttttagtt	ttctttttaa	tctttattta	atacttggat	tggtcttcag
64141	ccttcttttg	aagcctgcct	gtatccagtt	tcagaactaa	gcttacacca	gctttatatg
64201	atcaattttg	ggctgataaa	gagccctgga	aatgtcagct	gtctagtggc	tggtgagac
64261	tcagctgctc	gctgtgtagg	tctgtttcca	atcactatat	ggaaattggc	ctatttttcta
64321	caattttcttc	taattttatct	tttcttaggt	ttttatccat	ttctctaatt	tttcaaattt
64381	ttgccatatt	actctcattt	aaaaaatatg	taatcataat	tactgttctt	tttttttttt
64441	aagagacggg	gtcttgatat	gttgctcagg	ctagactgct	gtggctattc	acaggtgtga
64501	tcatagcaca	ctacagcctc	aagtgagcct	cctgcctcag	cctctcaagt	agctgggact
64561	acagtttgtt	accaccatgg	tgcttggtta	taattactct	ttttatgatt	ccttttttat
64621	tcogaattctt	gcattttttt	ttctatctc	tttttttcca	tcagcctcat	gaggaggtta
64681	ttattattat	tttttgacc	tttcaaagaa	ccagatcttg	gatttactat	cctctggctt
64741	tcattttgctt	gagtctttat	agtttgcaaa	gtttccattt	tcagaagaag	aaagagaccc
64801	aggaacattc	tgtggcttgc	tcaagggtccc	acagcctgct	agcaagtggc	tgaactggaa
64861	tttaagctag	gcccctgact	ccaggctgct	ccaagagatc	tctgagccaa	gcttttgaag
64921	gcaccatcag	tggtgcctgg	gatctccggg	gatctcccag	caattttgtc	ttcttttagg
64981	tcacctgtcc	ctttacctgc	tgcttcagtt	tcttaggcac	agggcttctc	tctggtaaca
65041	gacaggaagc	tcctctgagg	ctacgtgccc	ctgggagact	gtggggaggc	tggaatctag
65101	agtcagatga	cctggcttga	atcctagctc	tgtggctggc	tgtgggcacc	tgtgtctcag
65161	ttttctttatc	tgggtaaaaat	gatcaacatc	aatagagccc	actacctagg	atgggttgtg
65221	tgatgattac	acaaataaag	ataggttatc	taaaacccca	gtggtcaaat	gtgcttcaga
65281	atccagaatt	tttaggattt	tagcagtggg	tatacttcat	tatgtgccat	acccctctcc
65341	acccccagtc	tagggcaaca	tactatttta	caatcgaaca	gagcagtatt	tctgcagtga
65401	tccacataca	tatcacattg	aatggaaaaa	gcctctaaat	aacctcacct	attgcttcaa
65461	agaaggtttg	tttacaacaa	atgaatttgc	tgcacagttt	tgaaatatgc	agcagttttc
65521	agattttttt	gattttagaat	cgagggttaag	ggattgcgga	ctgtgcaggt	taacctatag
65581	gatagccttg	gcattgtggc	ggtgcctgac	ctatccagct	gctattgtgt	ccacagctcc
65641	caagggtccag	ttcatggaca	ttatttgctg	aatgtctatc	tgccagttct	ccacgggtgtc
65701	ctctgcgcag	ttctctccta	ctcccaggga	cctatgcccc	gtccagtcct	ggccttggcc
65761	cctgctgtct	gcacaccagc	tcccagcctg	gcagcaggct	ggtgccagga	acagggggag
65821	acaaagccct	gtgcccgcct	gcctttcctc	caggggtctcc	ctcttccctcc	tgccctcatct
65881	ccggtggaca	taagaactca	catcatcatc	aaagggtggc	taccaggact	ggcctgggtc
65941	ctgacccccag	aacctatggt	gcccctcagt	ggtcttggtc	tccagcttag	tccacagctt

FIGURE 4 (cont.'d)

66001	cacctgcctg	gcccctggca	gcaccttgac	tggggggccct	tggtcagggt	gctgggggtg
66061	agagtgcaga	atatgatccc	agggcaggtc	ctccacagtg	tgctcgcact	ggccaggggc
66121	ttctcaagtg	tgcttgggg	agtagaacc	tctccgcccc	tatggacagc	ccacctcagg
66181	gcctgcagga	agccctagt	tctttcaaga	catagcttcc	tcagctggag	tgtgaatgga
66241	gccacccagg	agccctggat	cgcagaggac	tgagctgctc	agaaagggtg	gccccccagc
66301	agcctacctg	gatggcaatg	gggacaatct	tgttgggccag	gttcttatac	agcaagcaga
66361	tgggagcggc	caggaaactg	agtgtgcagg	ggtctgtttt	gttggcatcg	atgccatcca
66421	gcagctcaaa	gtccacgatg	aaaatgttcc	cttgctgcag	gaggcagaga	gatgtgtcca
66481	aatcaggctc	agcagacgga	ccaaaaatca	ggcctgggga	aagagtgatg	acctctgggc
66541	acccctctcc	ctttcctgcy	actcagcgga	gctcagaatg	tgtacttctc	tctctgact
66601	ccaaggctga	ttgattcaca	tggaagggtg	tcacaggttg	tggcagttcg	gggtaagatg
66661	aaggaatggc	agcagctcat	tccgcatctg	tgggtgtctg	aacctgcttg	actggcacga
66721	aagatgagag	accgaccgga	gtgtcagttt	actaagaaga	aagaggttag	gtgaaataga
66781	tgtgacgagt	taaatgccaa	tcttcaccac	ggggctgaag	gtccgnnnnn	nnnnnnnnnn
66841	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
66901	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	cctcaggggac	tgggcctcag	cccgcgggtg
66961	gttccaccct	aggcttcccc	aagtccggtc	agagccggga	gcagctgtcg	gagtacctga
67021	cogtgggtgat	cttcaccgcc	tccgccacgc	acgccgcggt	caacttcggc	caggtaggca
67081	gggcggggcc	cgctgggcag	ggctcccttc	tcaaggccgc	tgctcctctc	cccgcgccgg
67141	ttctgcacgc	gtactgcacc	ctcggacagc	ctcggggcct	ggcacgggac	ttgcaggatg
67201	gattctgccc	gctcagccaa	gggcgctggc	cgcggggaaa	gaggatggac	ggactgcagg
67261	gcccgcgtgga	gttggggggc	acggggaggga	cggggcccag	ggggcagctg	ggcagcaggg
67321	cttcgggggt	gcccacgctt	gctggcggtc	gtctccgcag	tacgactggg	gctcctggat
67381	ccccaatgcy	cccccaacca	tgcgagcccc	gccaccgact	gccaaggcg	tggtgaccat
67441	tgagcagatc	gtggacacgc	tgcccagacc	cggccgctcc	tgctggcatc	tggtgacctg
67501	gtgggcgctg	agccagttcc	aggaaaaacga	ggtgaagctg	ggcaggcgcy	ggcacagccc
67561	caggtcaccc	caggtttaagc	ggttcctcag	cctcagggct	ttgtgactcg	ggcccccaagg
67621	ctcacttgga	gcaaagggaat	cctgacttcc	aaggctggaa	gggcccagaa	ggctgcagcc
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67741	cacagcccag	gctttgctca	ctgtcaccag	agggctcgtg	gtgacgcccc	ctccccccag
67801	ctattgacaa	agttcttgca	catgtgtttt	accttggtac	tccagaggga	atgaccaaga
67861	gtttcctggg	ttccttcggy	acacgtgcac	ctcattttaac	ctaacaactg	aatccgggtg
67921	gtctcctggt	atgcaccgcg	tttggtggat	ctcagtactg	catagaatgg	ccggagcagt
67981	ccaacctgct	ccagactgct	gggtgcttga	ggtgttcccc	gccaatgctg	tggtccctca
68041	ctggacatcc	ttgtttttgt	ggcttttgca	atgtgttcag	tatgaccgca	cacattccta
68101	gcagacaaat	tccttggtca	aagaatattg	atactgaatt	gccctccaca	aactaaattc
68161	aaaatcccat	tatcaatagc	ctatgtttct	tggacctttc	cagctcagaa	gctttgtgat
68221	cttaatccaa	tacagtattt	ttttaaaatg	atatctagct	ctgccccgca	gacatctgtg
68281	tgagaatgca	aataagcaca	ggaccccac	agggcagcca	ccccctcagg	ctccctggcc
68341	cgttttctgc	cttcctgggc	tgagagggcc	agtgttgccc	ccagcgcccc	tgatgggagg
68401	tgagagtgct	gcgcaggggt	ggcccaagac	agcaggatac	catggctgca	aacaccagca
68461	gccccagct	tcatctgcat	catctcgtaa	ccacttgcca	gcaggcagtt	attttccac
68521	ttatccatga	agccccagcc	ctggagcctt	ccttagagaa	gcaggttgga	ggcgacgaca
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68641	tgtccctcc	ttcatctccc	aaacgggtgg	tggcccttg	ggatgagaca	ggcctgtcag
68701	tttacacggg	tagtggtatt	acctatgtgt	gtgtccatgt	ctgggcccct	agctgttcc
68761	gggcatgtac	ccagaagagc	attttatcga	gaagcctgtg	aaggaagcca	tggeccgatt
68821	ccgaagaac	ctcagggcca	ttgtcagcgt	gattgctgag	cgcaacaaga	agaagcagct
68881	gccatattac	tacttgctcc	cagaccggat	tccgaacagt	gtggccatct	gagcaactg
68941	ccagctctcac	tgtgggaagg	ccagctgccc	cagccagatg	gactccagcc	tgccctggcag
69001	gctgtctggc	caggcctctt	ggcagtcaca	tctcttcttc	cgaggccagt	acctttccat
69061	ttattctttg	atcttcaggg	aactgcatag	attgatcaaa	gtgtaaacac	catagggacc
69121	cattctacac	agagcaggac	tgacacgcgt	cctgtccaca	cccagctcag	catttccaca
69181	ccaagcagca	acagcaaatc	acgaccactg	atagatgtct	attcttgttg	gagacatggg
69241	atgattattt	tctgttctat	ttgtgcttag	tccaattcct	tgcacatagt	aggtacccaa

FIGURE 4 (cont.'d)

69301	ttcaattact	attgaatgaa	ttaagaattg	gttgccataa	aaataaatca	gttcatttaa
69361	aatgggtcct	gttccatgtg	ttatatcca	atcaccccaa	acagctcact	gccatctccc
69421	acaccaagag	aaaaaaaaag	ccatagtcac	cgtgatttta	tcaaggcaaa	agcctcccca
69481	cccaagtctg	gatagaaggt	gctttttccc	tcaagcagtg	tctactctct	ttggaacaca
69541	tcccaaattg	caccacctct	gggaaggcat	ccttggttcc	tgtctctacc	ctggatttgt
69601	cagaacctct	gttcttgccc	cctctgtggt	ctctcccttg	ggacaggagc	ccctggaagg
69661	acagaaaacc	cactttattt	atgtctgtgc	cccagggtcg	gcataaggca	ccagcactca
69721	gctgttctct	ccttttcctc	ctggaagggc	acctagctaa	tggatattag	gcattgtcct
69781	gggagctggg	ggcttatttt	ttcctgaggg	agggttctta	acatgacata	aaaaataaaa
69841	atgggcaggg	cgcggtggct	cacgcctgta	atcccagcat	tttgggagcg	caagggtggga
69901	ggtcattttg	aggtcagaat	tcaagaccag	cctggccaac	acggtgaaac	cccatctcta
69961	ctgaaaatac	aaaaattagc	caggcatggg	agcagggtacc	tgtaatccca	gctactcagg
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70141	aataaattaa	attaaataaa	aacgcattct	ctttcccccag	ccccaaagtag	cagagcccgc
70201	tctgagcctg	ggcatgggtg	cccattctcc	tctgtctcac	atgcccact	cccagccctc
70261	cagcccctgg	cttcggaatc	atgtcatcag	ggctctccat	gtctctggaa	gggtgtctca
70321	gtgtggcagg	ccatcagctc	agtgtctggg	taaaggcttc	tacagggccca	gcatggcata
70381	ggggggaggt	gtgcatgcgt	tcctgaagcc	acaaggctct	ctgaggagac	ctgactattg
70441	gggtggggac	tagagactga	gggtccagccc	cttaatgccc	cagactccct	gccatccctc
70501	ggagaatttc	ccaccacact	tatgaatgat	cttcgggaca	ggtgacataa	acatacagct
70561	atggtagagg	cattcagctc	catgccactg	tgagaatgaa	cataccaact	tttaggcaac
70621	aaggccatgt	ggtcaaggag	agaggagaaa	cgaataggag	taggcagggg	tgggtgaagca
70681	ggtctgacat	tggcaaaaag	gacagagaag	gattggggtg	gaagggtctc	agatggcaga
70741	gaacctctga	aaaagtctca	tgccagctaa	tgaagagtcc	tcaaagtcac	catcacagaa
70801	atcttacatc	tggcagaaat	gacagcaata	gtttggcatg	aaccccacag	tggatccaaa
70861	cgtgtggcag	ctgagatcgt	cagttaatta	tgttctctgc	agctggctct	tctgggtccc
70921	tggagctggg	tatctgagta	gcacagctcc	actgtacca	caggagaggg	agaatcccaa
70981	attctgtgca	tagactgtct	aaacctctgg	atgaccctta	agacacatgt	acataaggca
71041	aactgcaaac	agcccaattt	aggataaaac	agcctgtctt	actctgtttg	tgtgtctata
71101	ataaaatacc	tcagactggg	tcatttatat	agaacagaaa	ttgattcctc	acagttcttg
71161	aggctggaag	tctaagagga	ggcactggca	gtttcagtgt	ctggtaaggg	agggatcagt
71221	gtctgtctcc	aagaggatgc	cctctgtgct	gtgtctcac	ccagcagaag	agcaaaaaag
71281	ggcgaacatt	ctcaaaagcc	tcttttataa	ggacatcaat	ccattcattg	gggcagaacc
71341	ctcaagaatt	aatcatttct	caaaaggccc	ctcctcctaa	tgccatcacc	ttggggttta
71401	agttccaaca	catgattttt	ggaaggacac	atacattcaa	atcattgcac	aaccaaagtg
71461	atatttgaa	tttcaaatag	tttgagttt	gagatcaact	aagttaattg	cttgttgtaa
71521	taaaaacatc	acagccgggc	acgatggctc	acgcctgtaa	ttccagcact	ttgggaagcc
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71641	cccattttcta	ctaaaaatac	aaaaattagc	caggcgggccc	ggcgtgggtg	ctcatgcttg
71701	taatcccagc	tctttgggag	gccgagggcg	gtggatcaca	aggtcaggag	attgagacca
71761	tcctggccaa	cacagtgaag	ccctgtctct	actaaaaatg	caaaaattag	ctgttgagac
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71941	taggataatg	ttctatatatt	ggataagggt	ttaggttacc	tagatagata	catttatcaa
72001	aagtcataca	atggtacact	tcagatgtac	gcattgtcact	gtatgtaaat	attaccccaa
72061	aatcaacaag	aaccatgagc	aaatactgac	ttctagttaa	cgacatgcat	actgaaactt
72121	tcgtagttaa	gtataattat	ggctgcagtt	gactctgaaa	tacataaaaa	cctaagttga
72181	tgggtgaata	cagtgattaa	tagatagaaa	tctgtggtaa	agcatacggg	gaaaaatggt
72241	aattgtagat	tctagggttt	atatatatct	tcactatata	attaaacgtt	tttatgttta
72301	aaaatttttta	taatgttgaa	aaaccatgaa	atcctaccta	acgcagtaag	acaagaaaaa
72361	gagataaaa	gtatatgtac	tgggaagtaa	gaaataaaac	cgtctttgtt	agcagatgac
72421	atgctcatct	atgtagaaaa	tccaaaagaa	tggataaaga	aactcctgga	actaataagt
72481	ggttacagta	aggttgtagg	atacaagggt	aatatacaaa	agtcattcac	tctcttatct
72541	accagtaatg	aacaagtgga	aattgaaatt	caaaaacaaa	tactattttac	attaatactc

FIGURE 4 (cont.'d)

72601	caaaaataca	tacttagggt	taaatcta	aaaatacata	caagatcttt	atgaggaaaa
72661	ctgcaaccct	gatgacagaa	atcaaagaga	aactaaagaa	atagacataa	gtaaatattc
72721	cccagaaaaga	ctcaatattg	tcaagatgtc	agttcttcaa	aacttgacct	atagattcaa
72781	tgcaatccta	atcaaaatct	cagcaagtta	tggtgtggat	actgacaaac	ttattctttt
72841	tttttttttt	tttttttttg	agacggagtt	tcgctctgtt	gcccaggctg	gagtgcagtg
72901	gcgcgatctc	gactcactgc	aagctccgcc	tcccgggttc	acgccattct	cctgcctcag
72961	cctcccatgt	agctgggact	acaggcacgc	gccaccatgc	cgggctaatt	tttgattttt
73021	tagtagagac	gggggtttcac	cgtgttagcc	aggatgggtc	cgatctcctg	acctcgtgat
73081	ccaccctgct	cggcctccca	aagtgtctgg	attacaggcg	tgagccaccg	cggccggcca
73141	acttattcta	aaatttagat	agggaagcaa	aagaccaga	acagctaaca	caacaatata
73201	gtaggaaaaa	aacaaatttg	gaaaatggat	actaccaaac	tccaagactt	actataaagc
73261	tacagtaatc	aagatagtgc	cgtattgggtg	aaagaataga	caaataagtc	aatggaacag
73321	aatagagagc	ctaagaaata	gaccttcata	aatacagtc	actcatcctt	gacaaagtag
73381	catagacact	acaatggagc	aaagattgtc	ttttcaacaa	gtgggtgcagg	aacaactgga
73441	tatccacatg	caaaaacaaa	caaacaagca	tgaatctaga	tacagacctt	atgctcttca
73501	caaaaattaa	ctcaaaatgg	attatagatc	taaatgtaaa	attcaaaact	ataaaaattcc
73561	cataacatag	gataaaatct	agatgacct	ggtatggcta	tgacttttta	gacataacac
73621	caaagccatg	gtccatgaaa	gaaataattg	gtaagttgga	cttaattaaa	attaaaacct
73681	tccgctctgc	aaaagaccac	actaggagag	ggaggaaata	tttacaaga	cacatctgat
73741	aaagaattgt	tacttaaatt	atacaaagcc	ttcttaaact	taacagtaag	gaaacaatct
73801	gattgaaaaa	tgggccaag	actttaacaa	acaaaagaag	atatacaaat	ggcaagtaag
73861	tatgtgaaaa	gaagctgcac	agctgggggg	cgtgggtggc	cacgccttta	atcccagcac
73921	tttgggaggt	caaggcgggc	agatcacctg	aggccaagag	accagcctgt	ccaacatgga
73981	aaaacctgtc	tctactaaaa	atataaaatt	agctaggcat	ggtgatgcac	gctgtcatc
74041	ccagctactt	gggaagctga	ggcaggagaa	tcgcttgaac	cgggaagggtg	gagggtgcag
74101	tgagccaaga	tcgcgccatt	gcactccagc	ctgggcaaca	agagtaaaac	tctgtctcaa
74161	gaaaaaaaaa	aaaaaagctg	acattctatg	ttatcaggga	aatgcaaatt	tagaataacg
74221	caataacaag	ataccactac	atacatatta	gaatggccaa	aattgagaac	actgacagca
74281	ccaaatgtgg	aggaggatgt	ggagcaacag	gaactagaga	gaatgcaaaa	tggatatagcc
74341	acttaggaag	acagcttggc	agtttcttac	aaaactaaat	atactcttac	cacacaatcc
74401	agcaatcaca	ctccttggta	tttacttaca	tcccaacaaa	aaccctcata	tggatgtcta
74461	gagcagcttt	gttcataaatt	gtcaaaactt	ggaagcaacc	aaagatgccc	ttcggtaggt
74521	gagtaataaa	ataatatcca	gacaatggaa	ataccattca	gtactaaaga	gaaatgagct
74581	atcaagccat	gaaaaggcgt	ggaagaaaact	gaagtgtgta	tacttaaaag	tcaatctgaa
74641	aagggtgcat	aagtttccaa	agatatgata	ttgcagaaaa	ggcaaaactg	tggagacagt
74701	aaaaagattg	ccaggggcta	gggcagtggg	agggatgaat	aggcagggca	cagaggattt
74761	tcagggcaat	aacactactc	tgtatgacac	tataatggtg	gatacatggc	cagatccaca
74821	gaatgtagaa	caccaagagt	gaaccttgaa	ctatggactt	tgagtgtgta	ggatgagtca
74881	gtgtaggctc	atggattgta	ataaatgcac	cactgtgggg	ggggggggat	attgataact
74941	ggggggctgt	acatgtgtag	ggacaggagt	aatgggaaa	tctctacttt	tgttacgggt
75001	ggagggtgta	ccgcattttg	aacaaaaaat	tggacaaaac	gcacaaagca	aggaaagaat
75061	gaagcaacaa	aagcagagat	ttattgaaaa	cgaaagtaca	ctccacaggg	tgggagcagg
75121	cctaagcagg	tggctcaagg	gcctgaatac	agatttttct	ggggtttaaa	tacctctag
75181	aggtttccat	tggttacttg	gtgtataccc	tacgcaaatg	aagaggatga	agggagggtta
75241	caaagttatt	tacttggtgt	agaaaattag	ggtttttccc	ttttatttag	ttgtaggaag
75301	cccttagggt	acctgcctcc	agaccctatt	ctcctgcctc	attttattcc	taattttggt
75361	gtgaacctaa	aattgctcta	aaaaatgaaa	tcttttaaac	aagaaaaata	acttataaat
75421	tgcaaatatg	tgtcacttac	ataaaaacaa	agaattagtg	tccctacatc	aggaaaaaaa
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75541	tcacagaagt	agaaataggc	agtaataaaa	caatgctcaa	tttcatttat	ctgagaaatg
75601	gagagtaaaa	cttcagtgac	atacaaagga	gtaacaatca	ttttaggaac	aatttttaaaa
75661	ataacacttg	tgatgtggct	caggaaagat	tcatattctc	actgtaggaa	ggtaagtga
75721	tcatttttaga	ggtcagtttt	gcaacttaga	agatcaaatg	catctaccct	ttttctactt
75781	ctagaaatgt	atcttcagaa	gtgccctccc	ctccctcaca	cacccccaag	tgtacaaaaa
75841	taaatgacat	ggatgtggac	tgcagccttg	tttctaatac	caaaaatcag	taaacacact

FIGURE 4 (cont.'d)

75901	aaaaatctgt	atccatgagg	atttaaagaa	atcctgcatg	agttagaaag	aataaggtag
75961	atgcctgggt	tctaacatag	aaaatatcaa	actggttggt	agatgaaaaa	agcaagttgc
76021	aaagtgaggt	aatgtgtaaa	tgcaagtaagc	aaaatacatc	atatatatag	tactttctat
76081	gtatttacct	atatgagcgt	gatgcctcca	actgcatagc	tgtggctccg	ggagcaggac
76141	cttgtaacag	agcctctgcc	cctgactgtc	ctgagggggc	tttccctggg	aaaggaacca
76201	ggtttgattt	tcagtctctt	ttgttatcac	catgctgaca	gctttgcttg	tcatatgcct
76261	ttccctccgc	tgtactgatt	ttaccttaca	gaagctctcc	ttagtgcttc	atcagacact
76321	ccctcttttc	caaagaaaag	acagccgcct	tccatgggtca	tctgggtgag	ctcgaggtga
76381	gccccaggga	tcagtgtgcct	cccaccaggc	tgacacccca	gtggtgagga	gttgcccctt
76441	ggctttttcg	aggccaagca	actcagagggt	gtggcaggat	tgcatgtcac	agtggcactt
76501	ccaaggccct	ggagagtgcac	tcaacgcctc	tgttattaag	atgtcacaca	ggctgtgcag
76561	caacaactct	agggacaccc	ttcacactga	cagagttggc	aagcttttcc	tataaagggg
76621	cacacagtga	atactgtagg	ctttgtaggc	catactatct	gtcccaacaa	ttcaactttg
76681	cccactgtag	ctgtgaatca	accgtagata	atattaagtg	aatgtgcaact	gctgtttgct
76741	aatagtttat	tgacaaaaac	agctgctttt	gagcagtttg	ctaccccgac	agagactgtg
76801	gggagtccct	gggtggcagcg	agctacaggc	agccagtacc	ccatcagtgt	ggctgggttc
76861	atcctctcaa	gcctgcctgc	accagacac	tgtcgagtgt	gtcttcagaa	aaactcctaa
76921	aattccccaa	aagcacagtgc	gctccccgag	agccacctcc	ctcaccttct	tacaggggca
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77161	tgtgcctagc	tcccaagtca	gctggcagcc	cagagtggaa	caattctgtg	gatcacctct
77221	gagacagcag	cacatctggg	caagcctggc	tccccacccc	tcacctcttg	caacctctga
77281	cccttgccat	gcatgtggta	gggaagctgc	aaccaggcct	cagcactccc	agacctgtgg
77341	gcggtttgct	gtctgaggat	cgtggcactg	ccttccctca	gaggccttgc	cagagccagg
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77641	ctcgtccaga	cactgccagc	ccacccccga	cacacgtgtc	tgaggagggc	tgaggaaaac
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77761	aggtcaggga	accggagtgc	ctgccaacgt	ccccagcctc	cctgcagcaa	aacactctca
77821	tggcaaaact	cctttttaaa	gaaaggcttt	attgctgcaa	ttagacatcc	cagtgtatag
77881	cacaaaacccc	cctgtacaga	gaattattca	agtggtaata	ctgagaaaca	gtgaacacac
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78001	tcaaagtgtga	agtgcctttt	agaaaactaca	ccacacatgc	cagtgtaaat	ttggtttaac
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78181	agagacagaa	gctgcatggt	tcaaaccaga	ttcaaaaagg	aaagcacttc	aaaacagaaa
78241	gtacttcaat	tgtgtatttg	ccttcagcca	catccagaga	cttgtggatc	tcaccgggtt
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78361	gtgcagacat	caccgcaggc	tcccaaaactg	gcccagctgc	ctgaggcctg	catgcctgtg
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78481	aagcaaaaag	gggagaaaca	ttagaggcct	acagtaggaa	gagacctttt	atagagtttt
78541	caggaaattc	tcacaataaa	cttgggcaca	aagaccaaatt	tgctgaggcc	agaagcctgc
78601	ttatggtact	gtgacttatg	gggagttagag	gccaaatcag	agagggctgg	ctgggtgatac
78661	cccagaccac	ttgcctcttc	cccttccctg	gcctacaaat	accaggcctc	ctggccctga
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78841	agcaagtgtt	ccaaggctac	aggaacattg	gcagagctgg	tggccacacc	agatgggagt
78901	accacatccc	caccaggctt	catgcttcac	tgctagatgc	agggggctag	aagggtctga
78961	tgaatcagga	gctgaactag	aaccttcaag	aaaagaaaag	gcaagggggt	ggctctgtgc
79021	cccgccagga	gaggaaagaa	gaatgtgtgt	ggattgtcca	cagtgaggcc	agaaacgatg
79081	agatgggtgt	aggcagaaaa	gaagggagag	ggcttcccat	gagaatctgg	ctgggcatgg
79141	gagggatata	gggctcagtt	atcaaggcac	ctttgccata	gtgggggtgcc	agctacattg

FIGURE 4 (cont.'d)

79201 ggtgggatgc ccaggggctg tccctacctg agcactttct tgtctacagg aagtcttggg
79261 gcttttcaag ttcagcataa ggggttccat atgtgaagtg gggattcaca cttagaaaat
79321 ctatcctggt cttcacctga aacactcatc tactgctggg tggcaggaac aagtatacaa
79381 aaccaggggc cttgcctggg cagttcctaa gggacattgg cagggctgac ctgggattca
79441 gctcccctga gtggacagtc tgtggttgcc tggggctccc aggctgagaa ggggtatggg
79501 taattgcact tcggggcaca gtgaacacag gcacgggctg gatgtgccct gggagacaga
79561 aaggagagge tgacctatc tcaggagctg gctatggctg gacagtgcct gcccggccag
79621 aggaaggcca cagcagagcc actccacaga ctaagacctg tgttgccaag gaatcagaca
79681 ctggccttga ggagacagga ggacaaagcc tgctgctatt aagcccacac cgtagcttag
79741 agatccttca gctcctggc cttcaaaaca aactccaggg cttccactct gaaaggcaaa
79801 ggaatcacct cgtgtttgct tcaccccctt agcaggatga acgaaacgcc taaggcccaa
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79921 atggcctgga aaggaagcat ctgcgctaca ttgtgcttca ggcccccca gcaactttcc
79981 cggaggtaac tatttgccctg gaaaactagg aaactggggt ttaaaaacag aattttaagc
80041 agacttttta gagggacaag gccatttgat ggtagtgtt ttggttttgt tttatgaaaa
80101 tggtagaggt ggtaatccct gatgacagaa tgcactgaga gtggggccaa gggccctgaa
80161 ggatcctgtc tgttcagtc ggtaaaggcg acagctgggc gggcatgtgg ccggggagca
80221 gtggcacagc ggaccctggc agtttgctca cacctggccc tcgtcccaga gccagcccac
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80341 gccagcacc atcttgcatg caaggagaa cctgcatgca gtgcacacac cccggccagg
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80461 aggaatatatt tttaaatatt cagttttgtt gtcattactc acttcccttc cttccatttc
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80581 aaagtaacac cttgtcataa aacaggctca aaagcatagg aatcatgctt taattgccat
80641 ttagcatcca ctaattccca tgagatctgt gattaaaaaa aaagcctctg gctgtcttgt
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80881 aaataaagat tttcttctgt aaagtctgt ttgctcagtg aatcatgcgc caccacagag
80941 caccatggct ccacctgctc aagagcatgg aggaggcagc atcggcagag ggcaggcagg
81001 agtctgtgtt tgggggtctg tttcaatacc atctcctggg gttcggcgtg atgcagaggg
81061 aatcttctcg tcatggctag acactcccca atgctctgct ccaggctggg gaccactgca
81121 agctggagge ggctgggtat cagggcctgg gcacctctgc tcctcctctt ccctgggat
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81481 caatcagacg tgaatgattt ctgctccagt gtcttcaggc tctgtgcaac aagaagagtt
81541 tgtgtcgaa tgacagattc catatccatg tttattttca aagttgggct ctgttagtgg
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81661 attataggcc ttgagtctct tccacaattg cacatacact ttacactgaa catacataaa
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81781 taggattcct ggaagggaag aactcagcct attagatttt atttaagata tgtcttcacc
81841 acggggctga agnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
81901 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnggcgggtga
81961 ctgtgacatt gaggttcggc gtcgggggag agggaaaagg agaggagag ggagagggag
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82081 tgagaagaag gtcattggta gcttgaggg gatggcaatg actctataaa ttaccttggg
82141 cagtatggct attttcacga tattgattct tcctacccat gagcatggaa tgttcttcca
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82261 cttcacatcc cttgtaagtt ggattcctag gtattttatt ctctttgaag caattgtgaa
82321 tgggagttca ctcagtattt ggtctctgt ttgtctgtta ttggtgtata agaagcttg
82381 tgatttttac acattgattt tgtatactga gactctgctg aagttgccta tcagcttaag
82441 gagattttgg gctgagacga tgggggtttc taggtataca atcatgtcat ctgcagacag

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FIGURE 4 (cont.'d)

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82561	tgccctggct	agaacttcca	acactatggt	gaataggagt	ggtgagagag	ggcatccctg
82621	tcttggtgcca	gttttcaaag	ggaatgcttc	cagtttttgc	ccatgatgta	tgatattggc
82681	tgtgggtttg	tcatagatag	ctcttattat	tttgagatac	atctcatcaa	tacctaat
82741	attgagagtt	tttagcatga	agcgttgctg	aattttgtca	aaggcctttt	ctgcatctat
82801	tgaaataatc	atgtgggttt	tgtcattggt	tctgtttgta	tactgggtta	catttattga
82861	tttgtgtacg	ttgaaccagc	ccttgcatcc	cagggatgaa	gcccacttga	tcatgggtga
82921	taagcttttt	gatgtgctgc	tggattcggt	tgccagttat	tattgaggat	ttttgcatcg
82981	atgttcatca	aggatattgg	tctaaaatgg	gttttttggt	gggtctctgc	ccagcttttg
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83101	ttggaatagt	ttcagaagga	atggtaccag	ctcctccttg	tacctctggt	agaattcggc
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83221	ttcagagcct	gttattgggtc	tattcagaga	ttcatcttct	tcttggttta	gtcttgggag
83281	ggtgtatgta	tggaggaatt	tttccatttc	ttctagattt	tctagtttat	ttgcatagag
83341	gtgtttataa	tattctctga	tggtagttta	tattttctgtg	ggatcagtg	cgatatcccc
83401	tttatcattt	tttattgcat	ctatttgatt	cttctgtctt	ttcttcttta	ttagtcttgc
83461	tagcggctca	tcaattttgt	tgatcttttc	aaaaaaccag	ctcctggatt	cattgatttt
83521	ctgaagggtt	ttttgtgtct	ctatttcctt	cagttctgct	ctgatcttag	ttattttctg
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83701	ccttctacat	attgctttga	atatgtccca	gagattctgg	tatgttgtgt	gtttgttctc
83761	attgggtttca	aagaatatct	ttgtttctgc	cttcatttca	ttatgtacct	agtagtcatt
83821	caggagcagg	ttgttcagtt	tccatgtagt	tgagtgggtt	tgagtgagtt	tcttagtctt
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83941	acatttgctg	aggagagctt	tacttccaac	tatgtgggtca	attttggaat	aggtgtgggtg
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84421	attttgaacc	tatgtgtgtc	tctgtcatgt	agatgggttt	cctgaatata	gcacatgat
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84541	tttactttta	aggttaatat	tgttatgtgt	gaatttgatc	ctgtcattat	gatgttagct
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84961	tctctggctg	ctctcaacat	tttttctctg	atttcaactt	tgggtgaatct	gacaattatg
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85201	ggtcttttca	catagtccca	tgtttcttgg	aggttttggt	catttttttt	ttcttttttc
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85321	ttccagttga	ttgaatcagc	tactgaggct	tgtgcattca	tcatgtagtt	ctcatgccat
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85441	ttcatctaat	tttttttcaa	ggtttttaac	tgttttgcca	tgggttcgga	cttctcctt
85501	tagctcagag	tagtttgatc	atctgaagcc	ttcttctctc	aactcgtcaa	agtcattctc
85561	catccaggtt	tgttctgttg	ctggtgagga	gccgtgttcc	tttgaggag	gagaggcact
85621	ctgattttta	gagcttccag	tttttctgct	ctgtttgttc	ctcatctttg	tgggttttct
85681	tacctttggt	ctttgatgat	ggtgacgtac	agatgggggt	ttgggtgtga	tgtcctttct
85741	gtttgttagt	tttcttctca	gaattcagga	ccctcagctg	caggtctggt	ggagtttact

FIGURE 4 (cont.'d)

85801	ggaggtccac	tccagaccct	gtttgcctgg	gtatcagcag	cagaggctgc	agaacagtgg
85861	atattggtga	acagcaaagt	ttgctgcctg	atcattcctc	tggaaagttt	gtctgagagg
85921	agtaccacag	cgtgtgaggt	gtcagtcctg	ccctactagg	gggtgcctcc	cagttaggct
85981	attcgggggt	cagggaccca	cttgaggagg	cagtctgccc	attctcagat	gtcaagctgt
86041	gtgctgggag	aaccacttct	ttcttcaaag	ctgtcagaca	gggacattta	agtctgcagt
86101	ggttattgct	gtctttttgt	tgtctgtgcc	ctgcccctgg	aggtggagtg	tacagaggca
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86281	gtttggtctc	agactgctgt	gctagcaaag	agtgaggctc	tgtgggtgta	gaaccctcca
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86401	atattagggc	aggagtgacc	caattttcca	ggtgccatct	gtgaatgctt	tctttgacta
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86581	agatgaaccc	ggtacctcag	ttggaaatgt	ggaaatcacc	tgtcttttgc	atcgctcatg
86641	ctgggagctg	tagactggaa	ctgttcctat	tcagccatct	tggctccacg	tatatccact
86701	gccacacttc	tttagtcata	aagtgagtgc	cttggtcaga	ggcaatgctg	tgtggaatac
86761	catgatggtg	gataaggcat	tctgtgagtc	catgaatggt	agtcttggca	gagcattgtg
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87061	ccatgtataa	cctocatccc	tgccaccatg	gccactttgt	ttatggggcc	attgggtgat
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87661	ggtggcagtt	gtggagacca	tgggcatttg	agctacttcc	ttgtgtaact	tacttgtgcc
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88981	ctaattgcctt	ccattttggcc	tttcccacca	taataggcct	caccctacca	gtcagggagc
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FIGURE 4 (cont.'d)

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89221	gacgttttga	gtcccttaga	attaacgtca	gctcagagct	agtgtcctgt	aatcccccaa
89281	atgactgata	atttcccttt	ccccaatgca	cagttacctt	gataaaaggc	tggaggtctc
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89401	tccttaaatgg	gacccaactt	ccccctttatt	caaggggttc	tgtgtctgta	aactgggtca
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89521	tccatttgac	ctggaagttt	tctgcttata	taaattaagt	aggaaaagaag	taggcacctc
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89761	tgtatttacc	tttattagtt	gagtgaactgt	ggttctcacc	attggatctg	atatgcagag
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90961	ctaaactcct	tgctctcat	gagcgctgaa	tcaggaatgt	caaatgcatt	tattttgctt
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91261	gtttattaag	tattaactca	catgatcaca	aggtcccaca	ataggatatc	tgcgaagctga
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92281	acagtggata	gtcatctgtc	ctctacttct	aaaattttgt	tatttaacaa	aatgttataa
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FIGURE 4 (cont.'d)

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92521	ggctgaatct	agttcttagc	tattaatatt	ataaaciaag	atgctataaa	catttggttg
92581	acagtttttt	gtgtgaagtt	tttatttttc	tgggataaat	gcctgggagt	gcaattgctg
92641	ggcatatga	tagttgtgtg	ttttcttttg	agaaactccc	aaaatttccc	agagtggatg
92701	aagtatttta	tgtttctatc	agtaattgtat	cagtgtatccg	gtttctacac	atccttacca
92761	gcatttggtg	gtgtcatgat	ttttaatttt	agccattctg	atagatgagt	agtgatagct
92821	tattgttggt	tcaatttgca	tttccctaaa	acctaataat	tttgaacatc	ttttcatgtg
92881	attatttgct	gtccatgaaa	tatctgtgga	aacagttagt	agaaggatgc	tttccacagt
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95581	agctaaagga	gaatgttcta	acccaacgca	aggaagcaaa	gaaacttgaa	aaaagattag
95641	atgaattgct	aactagaata	acgagtttag	agaagaacat	aatgacctg	atggagctga

FIGURE 4 (cont.'d)

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95821	actagggggc	aatattcaac	attcttaaag	aaaagaattt	tcaatgctga	atttcatatc
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95941	gagacatttt	gtcgtcacca	cgcctgcatt	acaagagctc	ctgaaggagg	caataagcat
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98341	tgtaggcttt	ggaaatgtct	taaaaaaaa	aaaaaaataa	agagagccag	gcattctcaa
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98461	agaggtaacc	ttgtaatgcc	aaggcagaaa	actgccacca	aaccacaaaa	agcttgttca
98521	actgctgaac	ctaaaattaa	acaatttatc	tctcattaaa	aaaaaaataa	caattaatcc
98581	aggagctggg	tttttttttaa	agatcaacaa	aatagataga	ccactagcca	gactaataaa
98641	gaggaaaaaga	gagaagagtc	aaatagacat	aataaaaaat	gataaaggag	atatcaccac
98701	tgatcccaca	gaaatacaac	ctaccatcag	agaatattat	aaacacctct	atgcaataaa
98761	accagaaaat	ctagaagaaa	tggataaatt	cctggacaca	tacacctccc	caagactaaa
98821	ccaggaaaga	gtcaaatccc	tgaataagcc	aataacaaac	tctgaaattg	aggtggtaat
98881	taatagccta	ccaacaaaaa	aaagtccagg	accagacgga	ttcacagctg	aattctacca
98941	gaggtaacaaa	aggagctggg	accatttcctt	ctgaaactat	tccaaacaat	agaaaaagag

FIGURE 4 (cont.'d)

99001	agaatctccc	taactcattt	tacgaggcca	gcatcatcct	gataccaaag	cctggcagag
99061	acacaacaaa	aaaagaaaat	ttcaggccga	aatcccta	gaatattgat	gcaaaaatcc
99121	tcagtaaaat	tctggcaaac	cgaatccagc	agcacatcaa	aaagcttatc	caccatgatc
99181	aagttggctt	catccctggg	atgcaaggct	ggttcaacat	atgcaaatta	atgaacgtaa
99241	tgcatacat	aaacagaacc	aatgacaaaa	accatgtgat	tatctcaata	gatgcagaaa
99301	agaccttcga	caaaattcaa	cagcccttca	cgctaaaaac	tctcaataaa	ctagatatct
99361	atggaacatg	tctcaaaaca	atcagagcta	tttatgagaa	accacagca	gccaatatca
99421	tactgaatgg	gcaaaaactg	gaagcattcc	ctttgaaaac	tggcataaga	caaggatgcc
99481	ctctctcacc	actcctattc	aacatagtat	tgggagttct	ggccagggca	atcaggcaac
99541	agaaagaaat	gaaggatatt	caattaggaa	aagaggaagt	caaattgtct	ctgtttgcag
99601	atgacatgac	tgtatattta	gaaaacccca	tcatctcagc	ccaaaatctc	cttaagctga
99661	taagcaactt	cagcaaagtc	ttgggatata	aaatcaatgt	gcaaaaatca	caagcattcc
99721	tatacaccaa	taacagacaa	accgagagcc	aatcacgag	tgaactccca	ttcacagttg
99781	ctgcaaagag	aataaaat	ttaggatcc	aacttacaag	ggatgtgaag	gacctcttca
99841	aggagaacta	caaatcactg	ctcaatgaca	tcagagagga	cacaaacaaa	tggaaaaaca
99901	ttccatgctc	atggatagga	agaatcaata	tcgtgaaaat	ggccataata	tccaaagtaa
99961	tttatagatt	gaatgctatc	cccactaagc	taccactgac	tttcttcaca	gaattggaaa
100021	aaactacttt	aaatttcata	tagaaccaaa	aaagagcctg	catagccaag	ccaatcttaa
100081	gcaaaaataa	caaagctgga	ggcatcacac	tacctgactt	taaactatac	tacatggctg
100141	cagtaaccaa	aacagcatgg	tactagtacc	aaaacagata	tatagacca	tggaaacaga
100201	cagaggcctc	agaaataaca	ccacacatct	acaactatct	gatctttgac	aaacctgaca
100261	aaaacaagca	atgggggaaag	gattctctac	ttaataaatg	gcattgggaa	aactgggttag
100321	ccatatgcag	aaagctgaaa	ctagatccct	tccttccact	gtatacaaaa	attaactcaa
100381	gatgggctaa	agacttaaat	gtaagaccta	aaaccataaa	aaccctaaaa	gaaaacatag
100441	gtaataccat	tcaggacata	ggcatgggca	aagacttcat	gactaaaaa	caaaaagcaa
100501	tggcaacaaa	agccaaaatt	gacaaatggg	atctaattaa	actaaggagc	ttctgacacag
100561	cgaaagtaac	taccatcaga	gtgaacaggc	aaccaacaga	atggggagaac	attttttgcaa
100621	tctatccatc	taacaaaggg	ctaatatcca	gaatctacaa	agaacttaaa	caaattttaca
100681	agaaaaaaca	aacaattcca	tcaaaaagtg	ggtgaaggat	aagaaaagac	tcttctcaaa
100741	agaagacatt	tatgcagtca	acaagcatag	gaaaaaaagc	tcatcatcac	tggtcatttag
100801	agaagtgcga	atcaaaaaca	caatgagata	ccatttctatg	ccagtttaga	tggccatcat
100861	taaaaagtca	agaaacaaca	gatactagag	agcatgtgga	gaaataggac	cactttttaca
100921	ctgtttggtg	gagtggaaat	tagttcaacc	attgtggaag	acagtgtggt	attcctcatc
100981	tccaccacgg	ggtggaggtg	cgnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
101041	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
101101	nnagaaacat	agaccctgcc	caacgcatat	tcctgaaagg	gatggcaagg	ttttttttaa
101161	ggtttttatg	gttttaggtg	actctaaagg	attttaaccc	ttctaaaatt	atttttgtat
101221	aaaggtgtga	gaaagggatc	caacttcact	cttttacaaa	tgggaagcca	gtttttcccc
101281	gccccctttt	ttaaaaagga	ttccctttcc	cattggttgt	ttttttcaag	gttgtcaaa
101341	atcagaaggt	tgtagatgtg	ggttggtaat	ttttaggggt	ttgttttggt	cccattggtc
101401	cataggtcgg	ttgtggtacc	agggccatgt	tgtttttggt	actgtaagcc	tcgtagtatg
101461	gtttgaagtc	aggtagcatg	atgcctccag	ctctgttctt	ttggccttag	attgtcttgg
101521	caatgcccgg	tcttttttgg	gttccatatt	aacttttaaag	tagtttttcc	caattctgtg
101581	cagaaagtca	ttggtagtgt	gatggggatg	gcattgatct	ataaattacc	ttgggagtat
101641	ggccattttc	atgatattga	ttcttcttat	ccatgagcat	ggaatgttct	tccatttggt
101701	tgtgtcctct	tttattttgt	tgagcagtg	ttttagtttc	tccttgaaga	ggtccttcac
101761	atcccttgta	agttggattc	ctaggatatt	tattctcttt	gaagcaattg	tgaatgggag
101821	ttcactcatg	atgttggtgt	ctgtctgtta	ttggtatata	agaatgcttg	tgatttttgc
101881	acattgattt	tgtatcctga	gacttttgctg	aagtttcctta	tcagcttaag	gagatttttg
101941	gctgagacga	tgggggtttc	tagatataaa	atcatgtcat	ctacaaacag	ggacaatttg
102001	acttctctct	ttcctaattg	aatacccttt	atctctctct	cctgcctgat	tgccctggcc
102061	agaacttcca	acactatggt	gaataggagt	ggtgagagag	ggcatccctg	tcttgtgcca
102121	gtttttcaaag	ggaatgcttc	cagtttttgc	tccttcagta	tgatattggc	tgtgggtctg
102181	tcataaatag	ctcttattat	tttgagatac	atcccatcaa	tacctaattt	attgagagtt
102241	ttcagcatga	atggttggtg	aattttgtca	aaggcctttt	ctgcatctat	tgagataatc

FIGURE 4 (cont.'d)

102301	atgtgttttt	tgtcattggt	tctgtttata	tgctagatta	catttattga	tttgcgtatg
102361	ttgaaccagc	cttccatccc	agggatgaag	cccacttgat	catggtggat	aagctttctg
102421	atgtactgct	ggattcgggt	tgccagtatt	ttattgagga	ttttcgcatt	gatgttcac
102481	agggatattg	gtctaaaatt	ctctttgttt	gttgtgtgtc	tgccaggctt	tggatcggg
102541	atgatgctgg	cctcatataa	tgagttaggg	aggattccct	ctttttctat	tgattggaat
102601	agtttcgcca	aactgacatg	atttttaaaa	ttccctatag	ggtcaatgtg	cagattttaa
102661	gatccctaca	ctcagtagtc	ctgggatagg	gtcgggggat	ccatatgttt	aacaagcagc
102721	ctagagtctc	ccgatagcct	gggcaagctt	taaaaagccc	tgccgacatt	cggatgaaac
102781	aaaggtgcac	agaacctata	tctctgccat	ttattagctg	ggggccttag	gcaaggagg
102841	tagtcaacct	ccgtattcct	cagttcctca	actgtaaaat	ggggatgatg	actgtggctc
102901	cctcgtgggg	ttgtgacgga	ggaacagggg	acatatgtcc	tgggatcagc	actggcaatt
102961	tggccattct	taccatagca	cctgccatct	tggtgacagc	ctggacacaa	agccttcaca
103021	cctttgaagt	ggccatagag	agcatgagat	atggatgggg	aggaggcatt	ccaactaaag
103081	acccctgctt	tgggccaana	acacatgtat	gtctggtgtc	tggagtcctc	tggttatgcc
103141	ttttttaaga	taccggttgt	cctgcaattg	tcggttgaga	atccactcta	tggccaacat
103201	atcatcaaag	cgtttggtct	agctaggctg	ttcccccaac	ccaaggaccc	catgaggaaa
103261	ggagtggagg	ttccaccccc	agcaccagcc	actggagggg	ctgccagag	tccctcagtt
103321	ctcgtaaaat	tacgctttgg	agtaattcag	aacaaagtcc	actccttttt	cactatcaaa
103381	ctggatatca	cgggggtaaa	ccttgtggca	tttggcatcg	atgctcaagg	ggaagccagg
103441	gttccactcc	atccatctga	gcatgagaaa	ggagaagaaa	ttgagttaaa	tgccagcctt
103501	tgggtctgcc	cctcagctga	gggcccggcc	cactgtcaga	cgatgttaca	caggagatt
103561	gatgtactca	aaataaagtc	aacacatcat	aggctgaccc	tgtgtccagt	aaggttctgg
103621	gacctcttcc	aaagtccagt	cgcaccaact	ttgctgtgcc	ctgagcatca	gagtgggaac
103681	cctgagactg	ggcttatagt	ggtacagggt	tgccaccactg	cataaaaaagt	tctgtaggta
103741	gtctagggag	acctcactta	ctagagggtga	cattgaacag	tagaggcctg	ccttgccagt
103801	cactggagggt	agaagggtatt	aaggctgccc	agccacgccc	aacctggaca	tccaccattc
103861	tgccaacttg	atcagtgtgt	gccctggact	gcgtgcatgt	cctgcatgtg	gcatttgggg
103921	aaatgggaca	gttcttctgc	cttcacaata	ggacgacacg	gcagcagggtg	gcctgggaga
103981	gggaccagg	cacagatggc	taaaaggctt	ccctctctca	cctgctggcc	aatagcagct
104041	ttagagattta	ttacaatcaa	aacagcttcc	ccaaagacaa	gccacggact	gcattccagta
104101	aacatgctca	gatcctgaca	tccttgaaac	gtatcccgtg	gcattgggca	tttgtgtttt
104161	tgaaaaatgt	ttattttgct	tttttgtttt	cttattgagt	aaacttaaat	tgtgaaaatg
104221	tcagagggtg	ttgaaccaca	gcaactctta	cttgaatagg	ggctgggtta	aataaggctg
104281	agacctactg	ggcagcattc	caggagggtt	aggcattcta	agtcacagga	tgagacagga
104341	cattgatgca	agatacaggg	cagaaagacc	ttgctgataa	aatgggttgt	ggtaaagaag
104401	ccggccaaaa	cccaacaaaa	ctaagatggt	gatgaaagtg	acctctgttc	atcctcacca
104461	ctcattatat	gctaattata	atgcattagc	atgctaaaag	aaactccac	cagtgcattg
104521	acagttttaca	aatgccatag	taatgtcagg	aagttaacct	atatggtcta	aaaaaggagg
104581	gaaccttcag	ttcctggaat	tgcccacccc	tctcctggaa	aactcatgaa	taatccactc
104641	attgttttagc	acatgatcac	gaagtgactg	taagtatgct	cagtcgagta	gcccattgcta
104701	ctgccttgcc	tatggagtag	cctttcttta	ttgctttact	ttcctaataa	acttgctttc
104761	actttatgga	ttcaccctga	attctttcct	gtggagggtcc	aagaactctc	tcttggggtc
104821	tggatcagga	cccctttctg	gtaacaaaaa	caaaatgaaa	tccgtttagt	ttcttggggg
104881	agggagaatg	attttgtgtt	tgttttaaaa	ccagatttta	catttttaggg	ttttagcttt
104941	ttcattttata	ttcctaattc	tccttccttt	taaaattttc	ttttgagagg	aaagtaaaat
105001	atcgagattt	tgggtcttaa	aaaagtcctg	agttatttta	atatgatctt	gtgctttgac
105061	tttccccaaa	tcccaactgt	cacagtgtcc	tcttgggcca	gtagcctctc	cttaggatca
105121	caagaagtga	acagggaccg	ggtatgatcc	ttctgacagc	aaaggcattt	tgtcaagtgt
105181	tttctgttat	gtggcaccct	acatttctca	ctgttgggtt	atttagaata	ttctacgtcc
105241	tcagattttta	agaaaaacct	ccatttttgc	tgtttgtatt	aatgccaatg	atagatatatt
105301	aacaaggata	aaaatgtgga	caagtctaca	cattttttgt	ttgtttgttt	tggaaaaatga
105361	ctcaaggcat	ctccaatata	tatctaaaat	tgagccattc	agtagcctca	ctggtagtaa
105421	tgatcaatta	attagctatc	attagtcata	tcaattttaa	tattactgat	gattttctct
105481	ttgcctggac	agttcaaggg	ctctagttaa	ttttaaaagc	tcagtggagc	tagatgtttt
105541	tcagtatgta	aacaatgagc	catgcaaggg	catctgtgcc	agcaaatggc	attaatgttt

FIGURE 4 (cont.'d)

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105601 tcttaagtga atagtccact tggacggatg tgggaatactt cttcagcacc aaaaagacct
105661 tcttgcccca tgccctgccc tgggtctatgg aggggtggcag caccaatggg cagaaatgcc
105721 ccacttggtg ggttagaaga tgatggcctc acagcacatg gagacaggac agcttgcttg
105781 ctagttcact actgcccccc tgaaccacaa tgtttatgtc ctttccactg caggtcactg
105841 ctgcttaaga gaccctgaca ggctgacctg cacaggagcc gaaggcctgc atggccacag
105901 acattaactg gtggagatgg aatcccactc cattgaggaa gaccaagtgg aacaccagg
105961 cagaaggaac aaagaagtag aaaggcattt aattttattgg aaaaaaaatg agagagagag
106021 agaaaagagag agagagaaaag caagagagac agagagagag agagagagag agagagacag
106081 agagagagag aaagcaagag agacagagag acagagagag agagagagag agagagacag
106141 acagacagag agatccctaag gggatgcagt tagtataatt ggagtgtaaa aagactttct
106201 gtaaccacaa acatgatttc tgaatgaaga cttcaataga gaaacagaca aagagaataa
106261 tcaactgtgag atgtttggtc tcttgatta aaagaaaagc tttagacaaa ttaaatttag
106321 cagtttaatt gagcaaagaa caattcaaga atagggcagc ccctaaacca gagcaggctc
106381 cgagtgactt tgatgctgtc tcatagttgg ataggattta tgggcagaaa aaggaacgtg
106441 atgtacagaa aatggaaagt aggtacagaa acagccagat tgggtgatggc tcagcatttg
106501 ccttacttga gccagtttg aacagctggc cactgtgagt ggctgaagtc tggccgctgt
106561 gattggctga gacttggtta cttgctatga gagtagggtga cagtctgttt acacatccag
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106681 gaaaagttta agctaaaactc attaacacct agaagagaga aggtgttcac tcgacaacta
106741 attatggagc acctactatg tgccaggaag tgctttgtgc aaaatagaag aacatgtaac
106801 ccaaatacag ggtgaaaacta caaagaaatg gaagccataa atgaaactat gagagacata
106861 aaccaaataa aaaattctaa gccctgaac tgactgatgg accctcccc tggccaaggg
106921 cattccaaag ttaacctgaa aaattagttc aggccatgat aggaatgggt ggctaaacgt
106981 gcctcattgt actctcctcc tcttggaatt caggcacacac tgatcagcat tcacatcaac
107041 acagagatgt taagcccatt agaacagact ctttaagatt gataaagaaac atttacaatt
107101 gattctacac gaagcctgct acctggaggc ttcactctgca tgataaaaaa ctttgtttcc
107161 acaacccctt atcttaacct agacattcca agtttttaga taataattct ttttagcagt
107221 tgccaatcag aaactctttg aatctgccta tgacctggaa gctccccctc cccaagttgt
107281 cccacctttc caaaacacaa ccactgtcca tcttacatgt attgactgat gtcttatgtc
107341 tccctaaaat gcacaaaagc aagctgtacc ccaaccacct tgggtgcatg ttctcaggat
107401 ctcttggggc tgcacatcag gccactggtc actcatattt ggctcagaat aagtcttttc
107461 aaatattttc cagagtgtga ctcttttcat taacagacat gaaagccaga tacagatgta
107521 atatgcaagg agtaaaagct ccaaaaggag agagagtaat atatggagaa gtgaaaaaaa
107581 tcaaagaaat aaaagaagaa ctcttttaag ctgaaaaata cttcaatatc ttaagtctgt
107641 gaaaggaat taaattttag gaccccaaac tcatttagcc aaagggaat gtcaagctgg
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108001 agattcactg agccagagaa aggcataaat aactattttt cctgccccct ctcttacatg
108061 aaaattgtgt acttctcaat atccccccct tttcccttta aatttgagc cctcaaaatc
108121 accttcagag aaaggcatag tgtgtctcc cgggcatgcg tccttaactt tcgcaataa
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108241 ggggaaaaaa aaaaaggaaa aagatacacc taggtatata ctgaatacat tttaaaatgt
108301 ccaagagaca ggagaaacag agacagagag aaggaaagag atgcagagag tgaacgagag
108361 aggaagaaa ggggggaggg agggagatag aaactctagg aaaagaaaca aactatcatt
108421 agattttctc tctgtcattc tgaaaatggg aagactgaag tgtatacaca ctttttttag
108481 atcgtcatct aagcctctca tattgtcatc aatgagggca ggggaatttg tttgagggga
108541 tgggtagggg gacaggacga caagcacaga ctcagatctt acactacaca tggaccttct
108601 gaggaatta attgaacaag ttcagctgaa caaaaattaa attagaatga atcaataaac
108661 tcctaaatac agcaaagaat atgcattata aaactacagc aaatataata gtaaacaaag
108721 aaacaaaaat atgagagggg tgttcacac tactaccact acttgttttg ggaattccag
108781 acatggaata agaaaagaat atcagtggtg tagataatgg aaagtaagag acaaaattat
108841 taacatttag ataatatgag cacattaact aaccagactc actaacaaca aacaaacaaa

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FIGURE 4 (cont.'d)

108901	aacaagtgat	tagaaccaat	gaaagaattc	agtaagggac	caacacacag	taaatgtaag
108961	aaacaagtaa	tttacattta	tcccagcaat	atTTTTgcaa	acagaaaaat	atcctactca
109021	gaacagcaaa	tgctaaatgt	agagtagcta	gaaaggtgaa	ggacctgcat	gaagaaaact
109081	agaaattcta	tggaagtacg	ttgacacagg	atctagagag	gtggaaagac	acgctgtggt
109141	cctggatgga	aagactgaat	ctcagtaaaa	tgccaacaca	taacacagtt	atgtgaagtt
109201	caaagttaatt	ctcattatga	aaaactttaag	aaagaacagt	gagatatgta	acagacatta
109261	acatttatta	gaaagttatg	ataaccaaaa	gctgggtgctg	gggtctcgag	tagaaaaata
109321	ggctaacaca	taaagtgcgg	aaacagaccc	agagactatg	tatacataat	acaaaactcg
109381	ccaacactta	tccagtgcct	tctatgtgcc	tactactatt	ctctgtggtt	tcatgggtta
109441	acctattatc	tcaaaccctt	aaaaggaagg	cactgttatt	tccctcattt	tacagatgag
109501	ggaagtgagg	cacagacaga	ttaaacaact	ttcacaggac	tggagaaagt	gccagtaagt
109561	gtgagttgag	cccagacact	cgaatccaga	gctcatgact	gccatcctat	gccagcttgt
109621	accgtgggta	tcatcatccc	tgtcatccaa	gtcaggagga	aagacatcat	ccctgtcatc
109681	caagttagga	acgaatgcta	ccgggagagt	tccacccagg	tatgtatgaa	aacacgtggc
109741	aggagtgggg	catggtggcg	cacgcctgta	gccccagcta	cttggggaggc	tgacgtggga
109801	agatggattg	agcctggggt	agtttgaggc	agcagtgaac	catgatcatg	ccactgcact
109861	ccagcctagg	aaacagagca	agactctgtc	tcaaaaaaaa	aaaaaaaggt	agatgaatga
109921	aagctctaaa	ctcaaagggg	aaattataaa	agtattagac	aaaattacgg	gggaagtatt
109981	tgtgtaacac	tgggatggaa	agggttttct	taagcaaagg	aggaaaccca	aaggttatag
110041	atgtaaaca	tacatagtta	ataaaataaa	gaactaaaat	ctcctgtggc	aaaagcaaca
110101	gaagacaaat	aataaatgct	atacatatgt	aacaaacgga	tactatcctg	atatagaag
110161	agctccttta	gattaataat	tgaagaaca	atagggaaaa	aaagcttata	aataggcaat
110221	gcagtgatgc	ttattagtgg	tcaggggagt	gcagactaaa	acaaccacaa	ggtccttaggg
110281	atttttagac	tgtcaaaca	ggtcatcggg	tactgacaaa	tgtatggatg	ggcaaaagta
110341	tcttttcata	cacagctggt	aggaccgcaa	attacgatac	aattttgtga	aaggattttt
110401	gtcgggtattt	cttaagatga	aaaaatgctg	atttgttcca	gcaatctgag	ttctggaaat
110461	ggatctgcca	ttaattaaag	caccagtaca	tcaagatggt	tgtacaaggt	tggttctggc
110521	agcattgttt	gtactgcaat	acccaaaaca	aacaaacaca	tctacaaatg	ggaaatgaac
110581	tgaacgtcag	tgaatagggg	aatggctaag	taaattatgg	tgcattccca	gaaggcaaga
110641	aatagtagca	gtttaagaag	gggaaaaat	atgagatact	atttcacacg	caagaatgaa
110701	aacatctgaa	gatgcgaagt	gttgatgatg	cagggaaaca	gtgaatctca	gaaacagtta
110761	ctggggtgtc	tactggcaga	atgcctttgg	aaaacaatca	gcaatatcta	gaaagcttaa
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110881	ccatgagagc	acagagagat	gtgtgagaaa	gctcactgtc	gcttggtttg	caacagctag
110941	aaattaaaga	cagcccgctt	gccccatcagc	aggagagcgg	acgagcgcac	gggttattca
111001	gatactgata	tgccatgaag	aagttaactg	catgaaccac	atctatctgt	gtcaaccaga
111061	tcctcttcaa	tacttagtga	tgagtgaaaa	gtgcagggtca	cataatgatt	agattaaatt
111121	atatcgatta	acaaacacct	acactttgcc	atttactgct	gtgtgtgagt	gtgcatgtaa
111181	cacagacaga	tgtggtcaca	gtgggagagc	acaagctgtg	ggctatgacc	tgggtctgct
111241	tctccttctc	cctgcggtggc	tgagtgaagta	aggagggcct	gcaagaagcg	ccagctttct
111301	gacatagtgt	ggactattct	tagtcattgc	tttacttcca	aactctgac	tggaaagcctg
111361	agaaatcttc	tgagaaagag	gaactccaag	attgtgcaga	cagtgc aaag	ttcagtgttt
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111481	aaatgattaa	atctaagaaa	gggggaaacg	atctcaccag	aagccccctg	ctgcaagatt
111541	atgataatgt	taagtagctc	ccagataaatt	gggctagttt	gtgttatctt	agatgagtag
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111661	attaaatgaa	ttttatgggc	attttatctt	aaccagatt	cacaggccag	aagtgtctctg
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111841	caccaggtat	ggaagtctgg	aaacacatca	tatgggtgct	gagctgagag	gcttgtgcac
111901	aaatactcta	aaacaaatca	cacatttata	aaccttaac	atgaccacac	gcacagcagg
111961	ttactctccc	acacttgatg	ctaattggcat	gtaagtttta	tttttgattt	ttcaattggg
112021	aaatagaata	tataaaatat	gtatggatat	gtatatatgc	acacacacac	tcacacatgc
112081	agaaaaatgt	acaaaacacc	tgtacgaaca	ccatccagg	aaaaaatcag	aacattgtcc
112141	gtaccctcac	ccccacctt	cccaatcaac	cctccttcca	tccccggtaa	tgaccatcct

FIGURE 4 (cont.'d)

112201	cggctttatg	ataatcattt	tcttgttatt	gtttaagggt	ccgctatgac	acacctccct
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112321	cactgcgtca	gtgaggtttg	tccatgttag	cagcagtttg	ttgattttcc	ttgcagtgtg
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112441	tttgcccatc	atgagtaatg	ctgttgtag	tatccaggcg	cacatgcaca	caaatttgga
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112561	ctaaattggt	ttccacggag	gtccttacaa	cttgctctcc	tgccgggtgg	atatgagtg
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112681	tctgggggca	tatgtgtggt	agtagcagca	gttcactgtg	atcttctgat	ttccccgagt
112741	cctaatagaag	ttgaacacct	tttgtatact	tgctgcttat	atcttgtaga	gtaagtactc
112801	aaacttcttg	cccattttct	agtgaatgac	actccccctc	ttaaagattt	gtaggtcctt
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112981	gtgttttaata	tgttctgagt	cttggttgaa	aaatcctttt	agcttgagac	ctggaagaat
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114241	taggtatttt	tctggctcta	tattattttc	cttcttttao	ttttttgagt	taaaaaaaca
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114961	tgagttttcc	atcttagcata	tttttgaaat	tcattcagtg	tttggcatct	atctgtagtt
115021	catttctttt	cttttctttt	ctttttttga	aatggagttc	tgctctgtca	cccaggctgg
115081	agtgcagtgg	cgggatctag	gtcactgca	acctccgctc	cccgggttca	agtgtattct
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115201	ttgtattttt	gtagacatgg	ggtttcacca	tgttggccag	gttgggtctc	aactcctgac
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115381	tttgtttatt	catttctcag	ttaatggaat	ttaggttggt	tctacttttt	gactattgtg
115441	aacaatgggtg	ctataaatat	gtgtgtacaa	gttttgata	gacatgtggt	ttcaatatcc

FIGURE 4 (cont.'d)

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115621	agggttccag	tttctccaca	tccttggcag	cacttggtac	tatctgtctt	ttttattcta
115681	accatttttag	tggttagaat	tgtatcttgt	ggttttgatt	tgaaatttcc	tgatgattaa
115741	taatgttgag	catattttca	cgtgcttatt	ggagattcac	aaattttctc	tggagaacta
115801	tttaattaaa	tccttttgcta	attttttaa	gggggttttt	gtacagaata	ttttaaaatt
115861	gagttgtcag	agttctttat	atattctgga	tacaagtccc	ttatcagaca	tatgatttag
115921	atattttctc	cattctgtgg	attgtctttt	cactttattg	atgatgtcct	ttgaagcata
115981	gatcttttac	attttaaatga	catctaactt	gtctactttc	ttttgctgcc	tgtgctcttg
116041	gtgccatata	taagagactt	tgccgaacct	aagattatga	agacttactt	gtatgttttc
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116161	ttttaaattt	atctagcagc	gttattgaaa	tataatgcac	atactgtaaa	atttatccat
116221	ttaaagtgtt	caattcaagg	atgttttagta	ttaatTTTTA	cacaatggac	aaccatcagt
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116341	accacttcct	cattccctgc	ccctaggcaa	ccagtaatct	actttatatc	tgtacagatt
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116521	tcattcttct	ttcatgggtca	aattatatag	atatactata	ttttatccat	tcattccatta
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116881	atctcattgt	ggtgttgatt	tgcatttcct	agatgactaa	tgggtccttg	gagaaatatc
116941	tattcagatc	ctcactcatt	tttttcattt	tttaattgga	ctatttgcct	ttattgagtt
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117601	caagattgtt	ttggctattc	tgggtccctt	ccatttccat	atgaatttgc	agaattgaca
117661	gcttgtcaat	ttctgcaaag	aaatcagcta	gaattttgat	aagggttggt	ttgaacgtgt
117721	acattaaatt	gtgggggtatt	gccattttta	caaaattaag	tcctctgatt	catgaacatg
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117961	aaaacaattg	attatcttgt	atcttgcaat	cttgggtggt	tattagttct	aataatttct
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118441	gtttccaccat	gttggccagg	atgggtctcaa	tctcttgaca	tcgtgatcca	cccgccttgg
118501	cctcccaaaag	tgtctgggatt	acagggtgtga	accaccaagc	ccagccta	tggtgaatttt
118561	caaacccttta	tcagggttgag	gacattttct	tcaattccta	ttttttgagt	gttttatcat
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118681	tttggtttgt	tttggttattt	actctattga	tatgggtgaat	tcaattaatt	gatttttggga
118741	tgttaaacca	actttgcatt	cctgggctaa	atccacatg	ttcatattgt	ttaatgcctt

FIGURE 4 (cont.'d)

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118921	gagacaatga	attgggaagt	gttccttcta	tttcttaaaa	gagtttatgc	aagatcagta
118981	ttaattcttt	aaatgtttga	tagaattagc	cagtgaagct	atctgggtct	gggcttctat
119041	ttgtgggaaa	ttttagaatt	agtaattcaa	tctctttggt	tgtgattggt	ttattcagat
119101	taactatttc	ttcatgagtc	agttttggca	gtttgcgctc	ttctaggaat	ttgcgcattt
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119761	aatgtgaatt	tggtcatctc	gggccaactt	tgctgtaaag	aaagaacaac	atgagaggag
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121621	gtatggccat	ttttatgata	ttcattcttc	ctatccatga	gcatgggatg	ttcttccatt
121681	tgtttggtgc	ttcctttatt	tcgttgagca	gtgatttgta	gttctccttg	aagaggtcct
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121921	agattttggg	ctgagacaat	gggtttttct	aaatatacaa	tcatgtcatc	tggaaacagg
121981	gacaatttga	cttcctcttt	tcctaattaa	atacccttta	tttctttctc	ctgcctgatt
122041	gccctggcca	gaacttccaa	cactatgttg	aataggagtg	gtgagagagg	gcacccctgt

FIGURE 4 (cont.'d)

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122221	ttgagagttt	ttagcatgaa	tgggtgttga	attttgtcaa	aggccttttc	tgcattctatt
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122641	gctgtgaatc	catctgggoc	tgaacttttc	tgggttggtg	ggctgttaat	tattgcctca
122701	atttcagagc	ctgttattgg	tctattcagg	gattcaactt	cttcctgggt	tagtcttggg
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122881	cctttatcac	tttttattgc	gtctaattga	ttcttctctt	cttttttttt	tctttttttt
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123001	gtggagggaa	ggtcagcaga	taaacaagtc	aacaaaggtc	tctgggtttc	ctaggcagag
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FIGURE 4 (cont.'d)

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FIGURE 4 (cont.'d)

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FIGURE 4 (cont.'d)

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134161	taagggggat	tgactctaac	tgttctctgg	ggtcttcatc	tttttaagag	ggctcccatg
134221	ccacgtacaa	cttgtattaa	agaaatctgt	aggctttcgc	ccatgaatct	gtcttatgcc
134281	gattctcaga	cctagctgaa	atgggaagag	gtggagtttt	gcctccacta	cagttcatgg
134341	agccaagatt	cttcatgaac	accttaaatg	aactcctgaa	ttcattttacc	caagacattc
134401	actgaaggcc	tgcccctgac	aaggctcagt	gctacgaccc	aggcagggtg	aagaaatgga
134461	caaatcctgg	gccctgccct	tgaggagaga	gaatccagtg	agccaggatg	gtgctgtgct
134521	gctcagaggg	caacgcctgc	tgactgcact	tagctcaggc	tggaggatgg	ggagatgccc
134581	aggctcatgc	ctgcacctgc	gaggctgtgc	ccagtgaggg	tccgcagctg	ccccacatg
134641	ggatagcctt	gtgggagacc	tttacaactg	gagatgggct	tgctgacagt	ggatccccac
134701	aatgactctg	ggagtgcagg	ggagttacca	ccccttccac	agatgaagac	agcgaggctc
134761	agtgactccc	acctctgcca	cttgccagca	gagctggagt	cacacccag	gtctttccat
134821	catagccact	tcctctcttt	ccagttttca	gtggggataa	taagtgagtg	aaaatgggtg
134881	ggcttagata	cagggagctt	gcatggattc	gagtcgtcct	gggacatttg	cagttcacag
134941	ctgcatgggtg	atgcccagag	aacagtgaga	ccaagcagct	ctgctgcacc	tgtggcatta
135001	ctggtggcag	ggtgaggcta	gccttgcagc	tagaaggcac	cacccaggc	tggtgtacagc
135061	gcagctgcc	aggcctctgg	gacaaggctg	cttggccccc	tccctggccag	gtcctgtgctt
135121	ccaggacaca	ggcggtctctg	aggcaactgc	catagcttct	ggagggcttt	tgtctctgca
135181	gcaatggatg	gcagacagga	agttgggatg	agaggctcag	gcattgcac	acgcattctg
135241	atgaccagca	ggtttgga	gccccggact	cgatgccctc	caaggcatgt	tcttttttat

FIGURE 4 (cont.'d)

135301	tttgagggtgg	agtctcactg	tgttgctcag	gctggagtg	agtggctcga	tctcggtc
135361	ctgcaacctc	cacttccagg	gttcaagtga	ttctcctgcc	tcagtctccc	aagtagctgg
135421	gactacaggc	acctgccacc	acatctgggt	aagttttgta	ttttcagtag	agacagggtt
135481	tcaccatggt	ggccaggctg	gtctcaaact	cctgacctca	agtgatccac	ctgcctcgg
135541	ctcccaaagt	gctgggatta	caggcatgag	ccactgtgcc	tggccctgc	aaggcacttt
135601	ctaagccaga	ttcatcaacc	cttgaacttt	atccctggcg	gcagaacct	gagttctcag
135661	catgatggca	aagtggaagg	ggcgaggggt	atcatccttt	gtgcgagcgc	aggcatcccc
135721	attccatgcc	ctgcctccaa	gctgccagga	ggacctctgg	agggttccct	aagaggaatg
135781	ggaacttgag	tgttttccac	aaacctcctg	gctctgaata	ccgtgagcag	tttggggtgg
135841	ctgacgctga	ggccagacgc	ttgtggctcag	aaagcggaag	cttccctccct	gtgctctgta
135901	gtctaggcca	gaggccctag	gaacagtttc	tgatgacaga	ggagccaggc	ccatgtgggtg
135961	ggatgacatg	tcttgggtcc	agccacatgt	ggaccagcct	cggccccacg	acaatgcccc
136021	tcctgcaggg	agagtatcag	cctcatctgc	cacctctgag	aaagccttcc	tgccacagct
136081	tgtcctcagg	agagcagggc	cacacacaag	gcctcgccca	tcatggacag	ggtgggcagg
136141	ttctgatggg	acaggagtct	cagcatctca	ggggctcggg	cccatctgga	ggagcagagt
136201	gggggctgag	tggcccagga	ctggatacgc	gtcgggcctg	ccccacgcca	ggccctgc
136261	gccacaggga	tttacagagg	ccttagctgc	aggttgtgag	ccaagacaga	gattcctgat
136321	cccaccgagg	agtggggaga	gggcagtgag	gggtagaagg	ctcgggtggg	cctgggggtct
136381	ggagctctga	attcacatcc	cagcttcagg	caagtagctg	gatggcctgg	gcacattgct
136441	tcattctctg	aagctgtttc	ttcatctacc	caaaggagat	acccctcact	tgcaggacca
136501	ttgagaaaat	gaaatgacac	catcctgggt	ggcctccttt	ctccagaggc	acaggccacc
136561	ggttgtgtgc	atcagaacca	ccagtgcctc	ttcctgaatc	caggggggtg	cagggcacca
136621	ggccccacac	cgctgtgag	ctagcatggg	cccctgcgtc	acggccactt	cgtgactaca
136681	tgtgccaatc	cgagtaactg	gagcacacat	gggaggagga	aactgaacct	gtgacctcaa
136741	actccttcac	tcaaagccca	gaaggaaact	ctgaaaggct	ggagacaggg	ctgtgaggac
136801	agagggagag	tgggaggcat	tctgaatgct	gggtggggcag	gcagagcaag	ctgtgtgctg
136861	gtgaggactg	aggggcggcc	accagaggcc	cgggcctggg	ctgagtgtgg	ctgctgcagg
136921	ggaagtagct	ttcctatggc	tctgaggggc	tggagagggg	ggaagggtgt	cccaggggat
136981	agatgacagg	aaagctgggg	tgggggtggg	ggagctaaca	gggacactct	catgggaggg
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137161	actgagcagc	ttctctgagg	gagtggacag	tgggggtgacc	ctccagcaca	cctgtgggtg
137221	agtcacaggg	gactgggaca	ctcctggccc	cctgcccctac	ctacacctgc	aggcacctgg
137281	tggagagccc	ctgagtttca	cttgggggtg	aatcactagg	cagattttaca	aggactccat
137341	ctgcccactg	acagggaact	ccacagcagg	agggggccag	gcctgcagtc	tggctgggtct
137401	atggccagcc	cagccacttt	cctgggtgctg	gcttcaagcc	tgaatatgat	aagagggtgaa
137461	caaggggcag	agggctccag	ccttgaccca	actcaggggg	taaaagacaa	agcttgatgg
137521	ctgtggttct	aacatcccag	gggcccactaa	tggagaagaat	acagataaag	gcctccttcc
137581	aggaaaatac	cagggtcaca	tgtgtcaaac	tgcaaaatat	cttcggaagg	tttgtggaac
137641	tacaatggcc	accttcctcc	ctcctctctg	ggccaagtac	actgggctga	tgctatatatt
137701	gtctatttgc	tgtgacacat	taaattctca	ggtgacacac	tgaattatgg	tgggcactat
137761	caacagtggg	caccccccaa	caggccctca	ggaagcactg	ggcctgggaa	tggccgagcg
137821	agtgattatc	ctgctttaca	gatagaaact	gaggctcaga	gagcaatggg	ggcctcaaga
137881	tcagaacctc	cacctgtgtg	atggccaagc	ccaggttcct	cccacagttc	cccaggcca
137941	catcttgaga	aaagccctga	accggaagct	agaaggccca	gctttgagcc	ctggtttgta
138001	ccctggatgg	agtgtaaagg	ggcaatgtgg	agtggcatgg	aaggacaggg	aaaagcttca
138061	taagagggtg	tttcaggcag	cttttagggg	ctgatcagat	ttcagagggc	agatgagtag
138121	gaggatgggc	atgggtagca	catttcagat	gtggggaact	gggagggcag	ggtccccggg
138181	ggattcacac	gtgggaggag	gaaggctgga	cacagtttct	ggggacagaa	gtgggtggcg
138241	tgggtggtgca	gatgctggag	agaacaagg	gaaacctgca	actcaccggc	ctcatttcac
138301	aagggggccac	tttgctgatt	ttgcttgggt	cttttaactt	tttattggat	atgtagtttt
138361	aaagcttttg	aatatttcgg	caaagagtca	gttggtcagt	tttcatgtga	gtttctatc
138421	agcatttttg	gaaagttttc	atctgtcttt	catcagatct	ctgctgttgc	tgggacaggg
138481	agacggatct	ctctgcggaa	gcaaggatgt	gtgccccacc	cccagactac	ccatcttgga
138541	gggggactaa	tgaggggctg	tgggaggagg	aagctgtaga	gcagagagga	agattggggg

FIGURE 4 (cont.'d)

138601	ccagacaaaa	cagagactcg	ggatgagaga	gggggaggct	atggggaaga	gctgaggaaa
138661	acaagggacg	gagagagggg	ttggggtagt	ggatagggag	accaaggggc	agagaagggg
138721	gaaaaatgtg	gacagagagc	cggagattga	gggagcagag	aaggggcctc	tgagaggtgg
138781	ctggaagaca	gagtgtagag	gaaaattcag	agcaaaaaag	aagggagagt	tgtagggtag
138841	agagcagaaa	cggggggcat	ttaggggaact	gggagcaggg	gaaggaagag	gaggcagaag
138901	agggggcaga	atgtagggaa	aagatggctc	agagggggag	actgggagat	gagagacgga
138961	ttgaggggtca	taccaaaaga	atatttatgc	tccactaata	tattcccatt	cacaagaagg
139021	aggtatttcta	gaattaatth	ttcatgaatg	taagaatact	cactgactta	agaagcatga
139081	atcattataaa	cactttttcta	cacttggtga	acatattcaa	gtatcatata	ttaaaccacca
139141	cgctattgcc	cttagctttc	ttaaaagtac	cagcacagaa	tgaaatgggc	caactaagat
139201	ttctcagaaa	tcttcagatc	tgttacagtt	atcgtatccg	atctgaatta	ctttaaatth
139261	acagagttaa	agaaataaat	caacttggtta	aatttgcccta	gacttgggtt	agcctctgga
139321	aacagggcca	ttctgtgtag	gatcccggtc	ttctccagca	gacagtggag	agccaaggaa
139381	gacacaaccg	tttataggat	aatcccacct	gcgaaggact	tgattcccag	tcctgactga
139441	atcactatgc	ggaactctga	tgagaataac	aagggacctg	tgactcactt	tatcaaggaa
139501	aaaatcagtc	ctgtccatta	tttgactgaa	ctatgccctg	gaggaggggg	gtgttgacct
139561	gccaataact	tggaatgat	taaatgtgtg	ggaaatacct	ttattgttat	gtttatcgth
139621	actactgtta	acaatacaga	ttttaacact	tttccctgta	aaatgggata	accttgtctt
139681	ctcagcaagt	acttccctcta	gggtttctct	tttaccttta	cccaaaaagg	atgattgtct
139741	ttacagatac	caagctggga	gaatgaggaa	gtagtctctg	gctgggcaag	agaaagtgtt
139801	gagtaactth	gcatcaacag	gaactttctc	aaaagctgat	tttttcaagg	aaactttcag
139861	ccttagctgg	ttccccaccc	tgcggtagcc	cccaccccca	accacccccc	gccccacccc
139921	tgacttatag	ccctctcaac	ccaatggaaa	tgtgacatgc	aaatctctcc	tgaaatttgc
139981	ccctgggatt	ccggctgagg	tgthtaatta	taatgtcatt	tgaatgactt	ctcagggtag
140041	gggaagacag	accgagagag	ggagatagtg	gacaaaacag	tgcttccact	cttgtccga
140101	agagcccgtc	atggccacgt	tatcatgtcc	cctgcaggag	gaaagcacac	acggggtgcc
140161	cgtgctgtgc	agtgtgagca	caccaatggc	ctgtgcttct	agaaccttat	gatgtgtgga
140221	ggagaatggg	gaggaggaag	cacttacaaa	ggggaagtag	cctgtaccct	gtccttctcc
140281	cccagggtgtg	gggaatccat	gaaataatgg	aagtaaatga	aggtgcgtca	gaaatggcag
140341	aggggtgccat	caccctaaat	ggacgacaca	ttaaactccag	ggcaccgcag	tcctcagggt
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140521	acagcgaggg	tatgggctcc	tggataggaa	tcgagcccat	ggagagcttg	gaatccagaa
140581	aaagagtagt	ttttactttac	tttagctctc	gcacacctaa	aacacaaatt	ttatccaaga
140641	gtaactcagtt	gaaacatgaa	cttgccggtt	gtatttgtcc	attatgagca	atttcacaag
140701	gtttgatcaa	ataataaaact	aaatgggtgag	aaggcagctt	ggtaaagtct	aaatcttttt
140761	ggtccagttta	ggagctgggg	tgggggtgga	gggaactgat	attccctgcg	cacctgcagt
140821	atgtctggga	ctattaccag	tcattttacg	agcgcttcct	ctgtgccagg	tactggatta
140881	ggcacttcat	taaaggctca	gtgagaactg	cgacctgccc	atgctcatgg	aaaagagtcg
140941	tggggctgga	attcaggtcc	agatcagcat	taggaactag	cttccaaatg	ctgagggctc
141001	cctcgcgctc	tcacacctag	cgtggaagtg	ttccctgggtg	tacattctgc	tgggagggag
141061	tgcagccctc	ccatttagga	aaagcctctc	ctggcctggg	ttctgttctt	tccttttaat
141121	ttcctctggg	gactgtcctg	agaatgtaag	ctgcccagggt	gccgtctgag	ccaccagatg
141181	ggcctgggct	cacccatgac	tcattggacca	gactgaagcc	aaccttccat	tttcagctgg
141241	ggaaactgag	gcccagacag	acggtagagt	gagctggtgg	tcattgtctg	acagaactca
141301	ggcctctgga	cccgtgacg	tgcaccttc	cccacggctc	acagctggct	gctccgaggt
141361	gcccctcagag	ttctgtgagc	atgactcatc	tgcctctccc	tcctctgtcg	acctgcagaa
141421	ggagcctaag	gaagaggtgg	cacaagaaac	gcggcccagt	gaagggggct	ccggagcctc
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141541	ttgcaggcgg	cacgcgggaa	gtctccgtht	ccgacagggg	tcgcgccgc	cgcgaggggt
141601	cctggacgct	tgcccaccag	ggtagccacc	ggccactggg	agcccagggc	acgcccacc
141661	gcagttctgc	cctccctgac	agggctcctg	acaccccag	tcctgtccgg	gccgcccga
141721	cgggcccctc	gcgccccgc	acggcctct	gccgtccaaa	ccgggtcccg	gacgcacctc
141781	agcccgcgct	ccacccgtgc	cccgcgcgcg	ctcaccgcgc	cacgctcgaa	gtcgtttag
141841	aagggtctgt	ccagcaggtg	cttctcgctg	cagcccgcgc	agcccacgag	gctgaggtag

FIGURE 4 (cont.'d)

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141901 atgtagtcgt cagtgtcttc accacggggt gaagtacggt cennnnnnnn nnnnnnnnnn
141961 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
142021 nnnnnnnnnn nnnnnnnnnn nntttttggg ttgttgttgt ctctttgttt ttgcgagcgg
142081 tccttccgcc ccgtgggtgaa gacaagtggg cgcctctgcc tggccatccc atctgggagg
142141 tgaggagtgc ctctgcccgg ccccccgcgc tgggaagtga ggagcgtgtc taccagcca
142201 ccacgtctgg gaggtgagga gcgcttctgc ctggccgccc catctgggaa gtgaggagcg
142261 cctctatctg gccacccctt ctgggaagtg aggagtgcct ctgcccggcc gccacccgcg
142321 ctcgaggcg aggagcacct ctgcccggcc accaccccat ctgagaggca aggaccacct
142381 ctgcctggcc gccatcctgt ctgggaggcg aggagcacct ctgcccagcc gccgcccac
142441 ctaggagggtg aggagcgct ctggccagcc gcccacctg ggaggcgagg agcgctctg
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142621 gacagcgacc attgagaacg ggccatgatg acgatggcgg ttttgtcaaa aagaaaaggg
142681 ggaaatgtgg ggaaaagaaa gagagatcag attgttactg tgtctgtgta gaaagaagg
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142861 gttaaatgga ttaagggtgg tgcaagatgt gcttgttaa acagatgctt gaaggcagca
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142981 gaaggctgca gggacctctg cctaggaaaa ccagagacct ttgttcacct gtttatctgc
143041 tgaccttctc tccactatta tactatgact ctgccacatc cccctctctg agaaacaccc
143101 aagaatgatc aataaatact aaaaaaacia attaatat taaataaatt tcatatggaa
143161 ccaaaaaaga gcctgcattg ccaagtcaat cttaaagcaa aggaacaaag ctggaggcat
143221 cacactacct gacttcaaac tatactacaa ggctacagta accaaaacag cacggtactg
143281 gtacaaaaac agaggtatag accaatggaa cagaacagag ccttcagtaa taatgccaca
143341 tatgtacaac tatctgatct ttgacaaacc tgacaaaaac aagaaatggg gaaggattc
143401 cctatttcat aaatgggtgtt gggaaaaact gctagccaat aaatgggtgt gggaaaaactg
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143521 ttcaagatgg attaaagact tacatgttag acctaaaacc ataaaaacc tagaagaaaa
143581 cctaggcaat accattcagg acataggcat gggcaaggac ttcatgccta aaacacaaaa
143641 agcaatggca atgaaagcca aaattgacaa atgggatcta attaaactaa agagcttctg
143701 cacagcaaaa gaaactacca tcagagtga caggcaaccc acagaatggg agaaaaat
143761 tgcaatctac tcatctgaca aagggtcaat atccagactc tacaatgaac tcaaacaaat
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143881 ctcaaaagaa ggcatttatg cagccaaaag acacatgaaa aaatgctcat catcactggc
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144181 cccaaagtat tataaatcat gctgtataaa agacacatgc acacatatgt ttattgtggc
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144301 taagaaaatg tggcacttat acaccatgga ataccaagca gccataaaaa atgatgagtt
144361 catgtccttt gtagggacat ggatgaagct agaaaccatc attctcagca aactattgca
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144601 ccaacatggc acatgtatac atatgttaact aacctgcatg ttgtgcacat gtaccctaaa
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144721 ataactctga aagaataata gatttgtatt atgctgtcag tgagtaggtc tattaagtga
144781 taacattaaa cacaaatacc accatttata agtatgatt ttgatatcat cggttgtgta
144841 ttttcacccc aaactctgta gatagtaact ttgttttctc atttgaccat gctcaactt
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144961 aaatcaatga aacacagtca caactatgtc tgtctaggaa taaagcagc taattagatt
145021 cttattctaa ggaacaagaa gagggcagg aagaatttga ttatggcaga attctgacca
145081 taatcaataa ctgttttctc ttttttctcc atgttgtcgg gtggttcata cctgactttc
145141 atcatttcca atgattcctg tttgttttgt ttataaattt caaaatcatc atgaaaagtt

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FIGURE 4 (cont.'d)

145201 tcaactgaatg aaaacctgaa aattgggaaa taaacatttt tctgcaaaaa aaaaaaaca
145261 atgaacactg acttctccta tttctcaaa tcatctcaaa gccatatgag gattaccaca
145321 aacttgacagg tgagaaaatt ctttgcaatg taagaagtgc catgcaaatt agttgatgct
145381 attataatta gtctcaggga tcaaaaatgc ttgaacccta aatctaacac ttcaaaggaa
145441 agcattatatt ttcattcatt ttacaagtta cacctccctt cttccccaca tctttgttta
145501 gaatctggac cctgaagtta gaggaccaag attcaaatec cagcctcatc agtactagct
145561 atgtgatatt gggaatgtta cttgatccct gcttatctta ctttctgcat ttattaaatg
145621 gggatgagaa taatatctac ccaaataagg tgcccaatgc agtgcccaac agcatgaagc
145681 ccaataaagg ttagttaaca tcacatccat aattgacacc tttaggtatt agattttcat
145741 catcccagaa cattttcctt ctttaagcct ttttctttct aagtggcact ttcttgata
145801 ctgattgcac tcctcacaaa cttgaaacgt tcaaacacac aagatgccat ttaggagaca
145861 ttggaacttg ggtttccttc tctgtaaaac tgagtaatga cagtccctc ccagggctgt
145921 tgtaagaatg aatgagctag agtatgtaaa atatcttagc acagagtgtc taagaaatta
145981 ttagttccag ccaagcgtgg tggctcacgc ctgtaatccc agcacttagg gaggccaagg
146041 caggcggctc atctggggtc aggagttcaa gaccacctgg tcaacatggt gaaacccctg
146101 ctctactaaa aatacaaaaa ttagccaggc gtgggtggcat gtgcatgtaa tcccagctac
146161 tcaggaggct gagacaggag aatcacttga acccaggagg tggaggttgc agtgagccga
146221 gatcgtgcca ttgactcca gcctgggcaa caagagtga actctgtctc aaaaaaaaaa
146281 aaaaaaaaaa gaagaagaag aagaaagaag gaaagaaaga gagagagaga aagaaagaaa
146341 gaaagaaaga aagaaagaaa gaaagaaaga aaaagaaaga aagaaagaaa agaaagaagg
146401 aaagagacag aaagaaagaa ggaagaaag aaagaaagaa agaaagaaag aaagaaagaa
146461 agaaagaaag aaagaaagaa ggaagaaag aaagaaagaa agaaaaaag aaagaaagaa
146521 agaaaaagaa agaaagagag aaagagaag aaagaaagaa agaaaggaga gacagaacga
146581 aggaagaag gaaggaatta tttccctttt tcccaccac gcctcaccac aaaccttgtt
146641 gtggggataa catgtaaaag tgaacaaaac tgagaagatc acatcgcata tgactcagc
146701 ctctagtggg agacacaggc aataaacagg gataaaaggg aggagaataa ccagtggctc tttcatgcag
146761 agtgaatta gcctcccga gggagagacc cgcactcaga ctgggatgga attatttatt
146821 agaatacagg tagacctctg gtagaggtgc tctgtcgtga ttatctaatac ttgggaggaa
146881 ttatgcgtgt tcagtttagga gatgagtatg agaattgggtc ttcttctga aaaaaaaga
146941 caatgtcaga cgggtttcaa aaatacatca agcctatttg agtcttgtgt gtgtcatgga
147001 attgagttca cactaatcac tagtcaagaa gttccaatga gaagaatgct ccttaacttc
147061 ttgaagtgt cagagtagtt gaactgagcc atggatggta aatctactta agaaagcaca
147121 ctaagtgcag agatagcatt ggtgcctctg cctacttctg atggcacagc cttgcaggaa
147181 tgccatggaa ccaagaggca aaagcctggt cttgttctga aaggcacaag gaggtggaag
147241 gggaaagaag actcacccaa aaatgactca gctctgaact cagactcaag aagccacaat
147301 attaggggaa aatggaactg gagggaaata aaccaggcgt agaaacacaa atgttgcata
147361 aagcaacatg aatggaactg gagggaaata aattcaagga gaatagaatg atggttatca
147421 ttcttactca tgtgggaact aaaaacatgc atttcaagga tgcttaatgg gtacaaacat
147481 gagactggga acagttgtgg gtgggggtgt taagagaggt tgcttaatgg gtacaaacat
147541 atagtttagat agaaggtata agttctaatg tttgacagca gagtaggaga actatagtta
147601 acagtaatat attgtatact ccaaaatagc tagacaggaa gatttgaaat gttcccaaca
147661 catagaaatg acaaaaagctt gaggtaatgg ataccctaaa tatcctgact tgatcattac
147721 acagtctatg cgtgtaacga aataccatat gtaccccata aatatgtaca aatattatgt
147781 atcaataaaa atttttaaaa agaagctgca atcaacattt catcattatc ttttcagcag
147841 catccttaca aagttacaga gacatcttaa gatgtatccc tcttctctg aatcttctg
147901 ggatagaaca aatgaaaact aaacaaggag tgggctggga ggagctgtca acatccatcc
147961 taaggaaaag tctgttaggg ctatgagctt cctctgtcct agagtagagc tgggaaaata
148021 gagtcttgac aattgatttc ttattctttc tttctctaaa tcccaatga atatgtttt
148081 ctttttagtg ctcagtggta gacagggtt aattctgttt agttatgcaa acaggccaga
148141 agaaactgaa ataggtatata aatgtttgaa gctggccaaa agaagatgta gtcacacaa
148201 ataccctctg gaggaagtgt actgtcagga aagtcacttt cctgaccagc aaaaggacca
148261 gcactatttt gtctgtctga agaagtacat ttgtcctgct gctgtcatgg ggacagtggc
148321 tccagggtct cctgtggaca tgccacaagt tccactccat gagtcaggag atcatgcggt
148381 cagctggggg gaacttaggg ttgtctctt gagcttagcc ttatgtctgc tgtctgctt
148441 gccaccaca aaaacgatag tttcatagca agttgcaggc tccctggaaa cttaacctac

FIGURE 4 (cont.'d)

148501	ctactaggat	acattttacag	ctgctttttct	cctggcatca	ggctggagat	caagaaatac
148561	ataaaacata	gtccctgccc	tcagtttagct	cagaatatgg	tgggggaatg	gagacagaag
148621	caaatactgg	tgggacaagt	gacgatgggc	caaaatatgg	gcttaaacaa	aggttgtggg
148681	agctcagaaa	aggagcaact	cactctgcct	gaaagagtca	tggagggctc	cacggaaaaa
148741	gcaacatttg	tgcaggagga	gattagaaca	cagaggagaa	ggatagcagc	actccagatg
148801	aaggggaagga	aatgtgccaa	gattttcatgg	gaatgagaag	atgtaaactg	ctcaggaaaa
148861	accatgggtg	aagctcttca	cagtggctga	agcatgggtg	gattgtcagt	tttgcttgct
148921	aacttgggtc	ggctgtagta	ctcaactatt	caaccaagca	ctgatctagg	tattgctgtg
148981	aagggtatttt	gtagtgcgaa	ttaacctcta	caatcagttg	actctattta	aaggacatta
149041	ttctgtacta	tctgagtgga	cctgatccac	ttcatcccaa	aggtaaata	ttctccaaca
149101	gtgtttctcat	ctacatctag	ggcttggaag	atgaagggtga	aggagaatat	ggaaaaacaa
149161	caagaaaaaa	gtcaatcaat	cagaacttcc	agccctgtgt	ttgttagttc	actttatggt
149221	caaccagtat	gtctccactt	ttatctgctt	ccttgtaaga	tttcatctga	aaaaggggaat
149281	tcactcttca	ggtgttgga	atcaattatg	agagaagcac	ttacagaatg	actatctgaa
149341	gagctctgca	gacatttctc	agagtaaaac	aaccataacc	ggtgaaaatt	aaaaacaaac
149401	aaaataaaaa	aatgttagag	tattggaaat	tgttctaagg	gccgacagca	aatgaagaaa
149461	tccaagaaag	cctaccaatt	tcagttagag	gagttagagt	ctatgggtgt	gagcttatgg
149521	tgtttaagtt	ctgttcattt	cctccctctc	ctgcaatcag	ttcagtgaaa	cagaaaccct
149581	gctccagaga	tgtgcagcca	aaaagacagg	gtgccctttc	ccctcagctc	ccaatctagg
149641	gcagactacc	agcatttccc	aagcccattc	ctggctctat	gttgacagaag	ttctattcca
149701	agaaagtgtg	actgagaatc	tgaagcttcc	ttcttccact	cagcctctac	tattaaggcg
149761	taagtcttat	ccccagtgcc	acgggccaag	aatactgatg	ctgaatgtcc	ttgctccgct
149821	acactcatag	ggcagagatt	ccatgggagg	agtgaagttt	ccattccaga	aaaggcagaa
149881	aaacagaaat	tactgcccc	tccagtaccc	caccataaaa	gaaggaaaag	catctgagaa
149941	aagcatgaca	ctgtccccc	aaccacctgc	agagttagtg	cagtagaggg	agtagggaga
150001	ctagaggacc	tgccttagagg	gagaagttag	ccataagaag	aaaagtctct	agttctccct
150061	aaagggacaa	actttatttg	caacagaaca	tgcgggaagt	caagcctaag	ggcactgtca
150121	aaaacaatga	atatttttgt	ggtaagcaat	taatagggtta	atggcagctt	agttagagca
150181	acaaactaaa	ccataaacca	gctagacata	tacaataaaa	atccaagaaa	gagagagcca
150241	agaagggcct	tcctgaggtt	aaaacaaaca	tcaaagtctt	gtctgaaaaa	ctgctcctgc
150301	aaaggaagca	aaatatattt	ggatcagact	gtggagcaat	ttatgcccc	aaaaagctgt
150361	caaaaccaa	agagcaatta	tctagcaatt	gctggagggt	aacagttggg	tatgatacca
150421	aaagaggcaa	acaactgaac	agatcagaga	aagaggcagt	caaagagagc	actgctaatt
150481	gcactgtaat	tccaatttga	gagaaaatgt	gccagtgct	gtgactccct	caggaaacac
150541	actagaggcc	acaaattatg	gtggaatatg	gcttcactat	atagtctagc	caggcaatta
150601	aacaaataaa	caattaaaca	acagtaacat	agtgaggggg	gcagaaatga	gtattgcaac
150661	tagctagaac	atatttttga	acaaaaaaat	tatgagtcaa	gcagagatat	ggaaaagaca
150721	gagccataca	ccagaaaaaa	ggtaagcaag	agaaactgcc	tttgtgagtg	ccaagatgtc
150781	agacatagca	gaaaaaaaac	ctcaaagtaa	ttattataaa	tatgttcaaa	aactaaaaga
150841	aatgtgtgct	aaaaaataaa	agatgggtatg	ataatttctt	gtcaattcaa	aaataccaat
150901	aatagattaa	aaatatTTTT	tcaaaagtta	attaaccaa	tggaaattct	gggggttttaa
150961	agtaaaataa	caacaataag	aacattttgc	tagaggaaat	gaacaataga	tttgtaggag
151021	aaggaaaaat	aatcaataaa	acagggattt	catcaacacc	aaacctgtct	tacaagaaat
151081	actaaaggga	gttcaatctg	aaagaaagaa	cattaacaag	caacaggaaa	tcactctgaag
151141	gtacaaaact	cactgtacct	tcagatgata	ataagtcctc	aaaaaacaca	gaatattata
151201	acactgtaat	tatgggtgtg	aagctactta	tatcataagt	agaaagagga	aaagatgaac
151261	tgattaaaaa	acaattacaa	cagcttttca	agacagtata	ataagatata	taaataacag
151321	aaagcttaaa	agcatataaa	taaagttaaa	atgtagaggt	tttttttagt	ttctttttgc
151381	ttgattgtgt	attttattat	gcaatcagtg	ttgttttcat	cagcataaaa	taatgggtta
151441	taagatagta	tttgcaagcc	tcatagtaac	ctcaaattta	aaaacataca	atgtatacac
151501	aaaaagtga	gagcaagaaa	ttaaaacata	ccaccaaata	aaatactttc	actaaaaagg
151561	agacaggga	taagaaaaga	tgggagagaa	gatcacaaaa	caaccagaaa	ataaataaca
151621	aaatggcaag	caagtcctta	tttgtcaata	ataatattga	atgtaaatgg	actatactct
151681	ccagtaaaaa	gatacagagt	ggttgaatgg	attaaaaaaa	aggacccaat	gatctgttac
151741	ctacaagaaa	taaacttcac	ttataacaat	acacagacta	aaaataaagt	catgggaaat

FIGURE 4 (cont.'d)

151801	gatacttcac	gacaatggaa	accaaaaaag	aacaggagta	gctatacctt	tatcagacta
151861	aatagatttc	aagacaaaaa	ttgttaagaa	aaaccaaata	aggtcattat	ataatgataa
151921	agagatcagt	taagcaagag	gatgtaacaa	ttgtaaatat	atatgcactc	aacattggag
151981	cacctagata	aataaaacaa	atattattag	agctaaagaa	agatagaccc	cctcccccaa
152041	aacaataata	gctgtagatt	tcaatgctcc	actttcagca	ttggacagat	cttccagaca
152101	gaaaatcagc	aaggaaacat	cagatgtaat	ctgaactata	gaccaaattg	gcctaataag
152161	tatttacaga	atatttcata	caaaggttac	agaagacaca	tttttctcct	tagcacatac
152221	atcattctca	agaacaggcc	atatattagg	tcatgaatca	agtctcaaaa	cattcaaaaa
152281	aactgaaata	atctcaagca	tcttctttga	ccacaatgga	ataaaaactag	aaaccaataa
152341	caagggggaat	tttggaaact	atacaaaaaa	atggaaatta	aacaatatgt	tcctaataatga
152401	taagtgggtc	aatgaagaaa	ttatgaattg	aattgaaaat	tttctaataaa	caaatagacaa
152461	tggaaacata	atgcaccaga	acctatggga	tacaacaaaa	gcagtaccaa	gagtgatatt
152521	tccagataag	ggcctacatc	aaaaagggaag	aaaaacttca	agtgaataac	ctgatgatgc
152581	atcttaaaga	attaaaaaag	caagagtaaa	ccaaacccaa	aattagtaga	agaaaagaac
152641	taataaagat	cacagtagaa	ataaataaaa	ttggacttct	gctccaagat	ggcctaataag
152701	aaacagctcc	agtctgcagc	tcccagcatg	attggcacag	aagatgggtg	atttctgcat
152761	ttccaactga	ggtaccaggt	tcattctcatt	gggactgggt	ggacaatgga	tgcagcccat
152821	ggaggggtgag	gtgaagcagg	gtgaggagtc	acctcacccc	ggaagcacaa	gtgattgggg
152881	gatttccctt	tcctagccaa	gggaagccgt	gacagactgt	acctggaaaa	tcgggttccat
152941	cccacccaaa	tactgtgctt	ttcccatagt	cttagcaacc	ggcagaccag	gagattctct
153001	cccaagccta	gctcatcagg	tcccattgccc	acggagcctg	gctcactgct	agcacagcaa
153061	tctgagatca	acctgcgagg	ctgcagctgg	gtggggggag	gggtgtcagc	cattgctgag
153121	gactgagtag	gtaaacaaag	tggccaggaa	gctcaaactg	ggcagagccc	accgcagctc
153181	agcaaggcct	actgcctcta	tagattccac	ctctgtgggc	agggcataac	tgaacaaaag
153241	gcagcagaca	acttctgcag	atttaaacgt	ccctgcctga	cagctctgaa	gagcgcagtg
153301	gttgccccag	cttgccatct	gagctctgag	aacagacaga	ctgcctcctc	aagtgggtcc
153361	ctaaactcca	tgtagcctaa	ctgggagaca	tctccccata	ggggccgaca	gacacctcat
153421	acaggtgggt	gccactctgg	gacaaagctc	tcagaggaag	gatcaggaag	caatatttgc
153481	tcttctgcaa	tatttctgtg	tctgcagcct	ctgctggtga	taccagggca	aacagagctc
153541	ggaatggacc	tccagcaaac	tccagcagac	ctgcagctga	gggacctgac	tgctagaagg
153601	aaaactaaca	aacaaaaaag	aatagcatca	acatcaacaa	aaaggacatt	cacaccaaaa
153661	cctcatctgt	agtcaccaat	atcaaagacc	aaaggtagat	aaaaccacaa	agatggggag
153721	aaaccagagc	agaaaagctg	aaaattctaa	aaactgagca	ccgcttctcc	tccagaggat
153781	tgcaactcct	caccggcaac	ggaatgaagc	tgggtggaga	atgactttga	caagtgggca
153841	gaagtaggct	tcagaaggct	ggtaataaca	aactactcca	aactaaagga	gcatgttcta
153901	accattgca	aggaagctaa	aaaaccttca	aaaaagggtta	gacaaatggc	taactagaat
153961	aaacagtgtg	gagaggaact	taaatgacct	gatggagctg	aaaaccgtgg	catgaggaca
154021	tcatgatgca	tgcacaagct	taaatagctg	attaaatcaa	gtggaagaaa	gaatatcagt
154081	gactgaagat	caaattaaca	aaataaagca	agaagataag	attagagaaa	aaagagtaaa
154141	aagaaatgaa	aagcacctcc	aagaaatatg	ggactatgtg	aaaaaaccaa	atctacactt
154201	gattggtgta	cctgaaaagt	atggggagaa	ggaaaccaag	ttggaaaaca	ctcttcagaa
154261	tactatccag	gagaacttcc	ccaaactagc	aaggcaggcc	aacattcaaa	ttcaagaaat
154321	acagagaaca	ccacaaagat	attcctcaag	aagagcaacc	ccaagacaca	taattgtcag
154381	cttcaccaag	gttgaaatga	aggaaaaaaa	tgtaagggtc	agccagagag	aaacgttggg
154441	ttaccaacaa	aggggaagccc	atcagactaa	aagtagctct	ctcagcagac	accctgtaag
154501	ccagaagaga	gtaggggtca	atattcaaca	ttcttaaaga	aaataatttt	caaccagaaa
154561	tttcatatcc	agccaaacta	agcttcataa	gtgaaggaga	aataaaatcc	tttacagaca
154621	agcaaatgct	gagagatttt	gtcaccatca	ggcctgcctt	acaagagctc	ctgaaggaaa
154681	cactgaacat	ggaaaaggaa	aactgttacc	agccactgca	aaaacacgcc	acattgtaaa
154741	gaccatcgat	gacatgaaga	aactgcaaca	attaactggc	aaaataagca	gctcacagca
154801	taatgacagg	atcaagttca	cacataacaa	tattaacctt	aaatgtaaat	gggttaaatg
154861	cctcaattaa	agacacagac	tggcaaatgt	catagagtca	agacccatca	gtgtgcggta
154921	ttcaggagac	ccatctcaca	tggcaagaca	cacataggga	tggaggaaga	tccaccaagc
154981	aaatggaaag	ccaaaaaaaa	aaaaaaaaaa	aaaaaaagca	gggggttgcaa	tcttagtctc
155041	tgataaaaaca	gagtttaaac	caacaaagat	ccaaagagac	aaagaaagcc	attacataat

FIGURE 4 (cont.'d)

155101 ggtaaaggga tcaatacaac aagaagaaca aactatccta aatatatatg caaccaatat
155161 gggagacccc agattcataa agcaagtctg tagagacgta caaagagatg tagacttcca
155221 cacaataata atgggagact ttaacactcc actgtcaata ttagacagat caatgacaca
155281 gaagggtcac aaagatatcc aggacttgaa ttcagctatt caccaagtgg acctaataga
155341 catctacaga actctacacc ccaaatcaac agaatgtaca tactttctcag caccacatca
155401 tactttattct aaaattgacc acataattgg aagtaaaaca ctctcagca aatgtaaaag
155461 aacagaaatc acaacaaact gtgtctcaga ctacagtgc aacaaattag aactctggat
155521 taataaaact actcaaaatc acacaactac atggaaactg aataacctgc tcctgaatga
155581 ctactgggta cataatgaaa tgaaggcaga aataaagatg ttctttgcaa ccaataagaa
155641 caaagacaca acataccaga ttctccggga cacattttaa gcagtgtgta cagggaaaat
155701 tatagcacta aatgcccaac agagaaagca ggaaagaact aaaatcaaca acctaacatc
155761 gcaattaaaa gaactagaga agcaagagca aacacattca aaagctagca gaaggcaaga
155821 aataactaag atcagaacag aactgaagga gatagagaca caaaaagcac ttcaaaaaaa
155881 tcaatgaatc caggagctgg tttttaaaaa gatcaacaaa attaatagac cgctagcaag
155941 aataataaag aaaagagaga agaatcaaat tagactcaat aaaaaagat aaaggggata
156001 tcaccactga tcccatagaa atacaaacta ccatcagaga atactataaa cacctctaca
156061 taaataaact agaaaaacta gaagaagggg gaggagccaa gatggccaaa taggaacagc
156121 tccagtctac agctcccagc gtgagtgcaga cagaagacgg gtgatttctg catttccatc
156181 tgaggtaccg ggttcatctc actagggagt gccagacagt gggcacaggt cagtgggtgc
156241 gcgcactgtg tgcgagccaa tgcaggggtga ggcgttgct cactcgggat gtgcaagggg
156301 tcagagagtt ccttttcta gtcaaagaaa ggggtgacag atggcacctg gaaattcggg
156361 tcaactccac ctgaatactg cacttttcca acgggcttaa aaaacggcgc acctggagag
156421 tatatccgc acctggcttg gagggctcta tgcccacgga gtcttgctga ttgctagcac
156481 agcagtctga gatcaaaact caaggcagcg gcgaggctgg gggagggcg cctgccattg
156541 cccaggcttg cttaggtaaa caaagcagct gggaaacctca aactgggtgg atcccaccac
156601 agctcaagga ggctgcctg cctctgtagg ctccacctct gggggcaggg cacaggcaaa
156661 caaaaagaca gcagtaacca ctgcagactt aaatgtccct gtctgacagc tttgaagaga
156721 gcagtgggtt tcccagcacg cagctggaga tctgagaacg ggcagactgc ctctcaagt
156781 ggggtccctga cccctgacct ccgagcagcc taactgggag gcacccccga gcagaggcag
156841 actgacacct cacacagccg ggtactccaa cagacctgca gctgagggtc ctgtctgtta
156901 gaaggaaaac taacaaacag aaggacatcc acacaaaaaa cccatctgta catcaccatc
156961 atcaaagacc aaaagtagat aaaaccacaa agatggggaa aaaacagagc agaaaaacta
157021 gaaactctaa aaggcaaagc gcctctcctc ctcaaagga atgcagttcc tcaccaggaa
157081 tggaaacaaag ctggacggag aatgactttg acgagctgag agaagaaggc ttcagatgat
157141 caaattactc cgaactacgg gaggacttcc aaaccaaagg caaagaagtt gaaaacgttc
157201 aaaaaattta gaagaatgta taactagaat aaccaatata gagaagtgtc taaaggagct
157261 gatggagctg aaaaccaagg ctcgagaact acgtgaagac tcaggagccg atgcatcaa
157321 ctggaagaaa gggatatcagc gatggaagat gaaatgaatg aaatgaagtg agaaggaaag
157381 tttagagaaa aaagaataaa aagaaatgaa caaagcctcc aagaaatatg ggactatgtg
157441 aaaagaccaa atctacatct gattggcgta cctgaaagtg acggggagaa tggaaaccaag
157501 ttggaaaaca ctctgcagga tattatccag gagaacttcc ccaatctagc aaggcaggcc
157561 aacattcaga ttcaggaaat acagagaacg ccacaaagat actcctcgag aagagcaaca
157621 ccaagacaca taattgtcag attcaccaaa gttgaaatga agggaacaat gttaagggca
157681 gccagagaga aaggctgggt taccctcaaa gggaagccca tcagactaac agcggatctc
157741 tccgcagaaa ctctacaagc cagaagagag tgggtggccaa tattcaacat tcttaaggaa
157801 aagaattttc aaaccagaat ttcataatac gccaaactaa gcttcataag tgaaggagaa
157861 ataaaaatcct ttacagacaa gcaaagtctg agaaattttg tcaccaccag gcctgcccta
157921 aaagagctcc tgaagggaagt gctaaacatg gaaaggaaca accggtacca gccgctgcaa
157981 aatcatgccca aaatgtaaag accatcgagg ctaggaagaa actgcatcaa ctaacgagca
158041 aaacaacctg ctaacatcat aatgacagga tcaaattcac acataacaat attaaattta
158101 catgtaaatg gactaaatgc tgcattaaa agacacagac tggcaaatg cataaagatt
158161 caagacccat cagtgtgctg tattcaggaa acccatctca cgggcagaga cacacatagg
158221 ctcaaaataa agggatggag gaagacctac caagcaaatg gaaaacaaaa aaaaggcagg
158281 gggtgcaatc ctagtctctg ataaaacaga ctttaaacca acacagatca aaagagacaa
158341 agaaggccat tacttaatgg taaagggatc aattcaacaa gaagagctaa caatcctaaa

FIGURE 4 (cont.'d)

158401 tatatatgca cccaatacag gagcaccag attcataaag caagtcctga gtgacctaca
158461 aagagactta gactaccaca cattaataat gggaaacttt aacacccac tgtcaacatt
158521 agacagatca acaagacaga aagtcaacaa ggatacccag gaattgaact cagctctgca
158581 ccaagcagac ctaatagaca tctacagaac tctccacccc aaatcaacag aatatacatt
158641 tttttcagca ccacaccata cctattttcaa aattgaccac atacttgga gtaaagctct
158701 cctcagcaaa tgtaaaagaa cagaaattat aacaaactgt ctctctaacc acagtgaat
158761 caaactacaa ctcaggatga agaaactcac tcaaaactgc tcaactacat ggaaactgaa
158821 caactgctc ctgaatgact actgggtaca caacgaaatg aaggcagaaa taaagatgtt
158881 ctttgaaacc aatgagaaca aagacacaac ataccagaaa ttctgggatg cattcaaagc
158941 agtgtgtaga gggaaatttg tagcactaaa tgcccacaag agaaagcagg aaagatccaa
159001 aattgacacc ctaacatcac aattaaaaga actagaaaag caagagcaaa cacattcaaa
159061 agctagcaga aggcaagaaa taactaaaat cagagcagaa ctgaaggaaa cagagacaaa
159121 aaaaaccctt caaaaattaa tgaatccagg agctgggttt ttgaaaggat caacaaaatt
159181 gatagaccgc tagcaagaat aataaagaaa aaaagagaga agaatcaaat agatgcaata
159241 aaaaatgata aaggggatat caccaccgat cccacagaaa taaaaactat catcagagaa
159301 tactacaaac acctctatgc aaataaacta gaaaatctag aagaaatgga taaattcctc
159361 gacacataca ctctcccaag actaaaccag gaagaagttg aatctctgaa tagaccaata
159421 acaggagctg aaattgtggc aataatcaat agcttaccaa ccaaaaagag tccaggacca
159481 gatggattca cagccgaatt ttaccagagg tacaaggagg aactgggtacc attccttctg
159541 aaactattcc aatcaataga aaaagaggga atcctcccta actcatttta tgaggccagc
159601 atcatcctga taccaaagcc gggcagagac aaaaccaaaa aagaggattt tagaccaata
159661 tccttgagga acattgatgc caaaatcctc aataaaaatac tggcaaacca aatccagcag
159721 cacatcaaaa agcttatcca ccatgatcaa gtaggcttca tccctaggat gcaaggcttg
159781 ttcaacatat gcaaatcaat aaatgtaatc cagcatataa acagaacca acagaaaaac
159841 cacatgatta tctcaataga tgcagaaaag gcctttgaca aaattcaaca acacttcatg
159901 ttaaaaaactc tcaataaatt aggttaattgt gggacgtatc tcaaaaataat aagagctatc
159961 tatgtcaaac ccacagccaa tatcatactg aatgggcaaa aactggaagc attccctttg
160021 aaaattggca caagacaggg atgcctctc tcaccactcc tattcaacat agtgctggaa
160081 gatctgtcca gggcaatcag gcaggagaag gaaataaagg gtattcaatt aggaaaagag
160141 gaagtcaaat tgtccctgtt tgcagatgac atgattttat atctagaaaa cccattgtc
160201 tcagcccaaa acctccttaa gctgataagc aacttcagca aagtctcagg atacaaaatc
160261 aatgtacaaa aatcacaagc attcttatac accaacaaca gacaaacaga gagccaaatc
160321 atgagtgaac tcccattcac aattgcttca aagagaataa aatacctagg aatccacctt
160381 acaagggatg tgaagcacct cttcaaggag aactacaaac cactgctcaa cgaaataaaa
160441 gaggatacaa acaaatggaa gaacattcca tgctcatggg taggaagaat caatattgtg
160501 aaaatggcca tactgccc aaatatttac agattcaatg ccatccccat caagctacca
160561 attactttct tcacataatt ggaaaaaact actttaaagt tcatatggaa ccaaaaaaga
160621 gcccgcacaa ccaagtcaat cctgagccaa aagaacaagg ctggaggcat cacactacct
160681 gacttcaagc tatactacaa ggctacagta accaaaacag cttggtactg ttacaaaaac
160741 agagatatag atcaatggaa cagaacagag ccctcagaaa taatgctgca tatcgacaac
160801 tgtctgatct ttgacaaaacc tgagaaaaaac aagaaatggg gaaaggattc cctatttaac
160861 aaatggtgct gggaaaactg gctagccata tgtagaaaga tgaaactgga tcccttcctt
160921 acaccttata caaaaattaa ttcaagatgg attaaagact taaatgtcag acctaaaacc
160981 ataaaaaccc tagaagaaaa cctaggcatt accattcagg acataggcat gggcaaggac
161041 ttcatgtcta aaacacaaaa agcaatggca acaaaagcca aaattgacaa atgggatcta
161101 attaaactaa agagcttctg cacagcaaaa gaaactacca tcagagtga taggcaacct
161161 acagaatggg agaaaatttt tgcaatctac tcatctgaca aagggtcaat attcagaatc
161221 tacaagaac ttaacaaaat gttcaagaaa aaaacaaccc catcaaaaag tgggcaaaat
161281 acatgaaaag acacttctca aaagaagaca tttatgcagc caacagacac atgaaaaaat
161341 gctcatcatc actggccatc agagaaatgc aaatcaaaac cacaatgaga taccatctca
161401 caccagttag aatgacgatc attaaagtca ggaaacaaca gatgctggag aggacatgga
161461 gaaataggaa tgcttttaca ctgttctgtg ggggtgaaat tagttcaatc attgttgaag
161521 acagtgtggc aattcctcaa ggtatgtgaa ctagaaatac catttgaccc agcaatccca
161581 ttactgggta tataccgaaa agattacaaa tgggtgcaact ataaagacac atgcacacga
161641 atgtttattg tggcactatt cacaatagca aagacttcta acaaaccag atgtccatca

FIGURE 4 (cont.'d)

161701	atgatagact	ggattaagaa	aatgtggcac	atatacacca	tggaatacta	tgcagccata
161761	aaaaaggatg	agttcatgtc	cttttcaggg	acatggatga	agctggaaac	catcattctc
161821	agcaaaactat	gacaaggaca	gaaaacccaa	caccgcatgt	tctcactcat	agatgggaac
161881	tgaacaatga	gaacacttgg	acacagggca	gggaacatca	cacaccaggg	cctgttgggg
161941	ggtggtggac	tggggggagag	atagcattag	gagaaatacc	taatgtaaat	gatgagttga
162001	tggatgcagc	aaaccaacag	ggcacatcta	tacctatgta	agaaacctgc	actttgtgca
162061	caggtaccct	agaacttgaa	gtataataaa	aatgaaaaaa	agaaaatggt	actagcaaat
162121	tgtagatggg	tatacctaata	ataactctgc	atgtgcacta	tgtgtctgga	tacacatgga
162181	aagtattcag	gcatacacac	caaattgtta	aaataaatcc	ccttccaaca	ttaggagtgg
162241	ctggggagca	gatggctttc	acttccgcac	attccatggg	gccagggtaa	taccacatca
162301	caatagtaaa	tagcaaaaaat	aacaacctta	agtttagatt	ttcttatcta	aattttaatt
162361	ctgtgaagaa	gtttccattt	ccctttttca	cacaggatag	tagaatgcag	tttagaaaga
162421	gtgagatcac	ttgttagact	gtacaatttt	taagcatcag	cgaagtatac	cattaaactt
162481	ctctatcaat	ccatttctcta	aacttcccaa	cccaaaaaaa	aagaaacaca	taaaattgaa
162541	atgaagaaaa	caatacaaaa	gatcaacaaa	aatgaaagg	tggcttttta	aagagataaa
162601	caaaattgac	aaatgttttag	ccagactaag	aaaaagagaa	ggcccaata	aataaaatca
162661	gagatgaaaa	agcagacatt	ataactgata	ctgcggaaat	tcaaaggatc	attaatggct
162721	actatgagca	actgtatgcc	aaacatttga	aaatattgaa	gaaatagata	aattcgtaga
162781	cacacgcaac	ctaacaagat	tcaaccatga	agaaattcaa	aatctgaaca	gacccaaaaac
162841	aagtaacaag	atcaaagcca	taattaaaaat	tttcccagca	aagaaaagcc	tgagacccaa
162901	tggcttcact	gctgaattct	atcaaacatt	taaagaacta	ataccaatcc	tactcaaact
162961	attccaaaaa	gtagaagagg	agggaatatt	tccaaactta	ttctatgagg	ccattactgc
163021	tcctatatca	aaaccaagga	cacatcaaaa	aaagaaaact	ataggccaat	atctcacatg
163081	aatattgatg	aatcctcaaa	aaatgctagc	aaactgaatt	caacatcaca	ttaaaaatca
163141	ttcattatga	ccaaatggga	tttatcccg	ggatgcaaat	atggttcaac	atatacacat
163201	cagtcagtgt	aacatatcat	atcaacagaa	tgaagaagaa	aaaccatatg	gtcatgttaa
163261	ttgatgtcta	aaaagtattt	gagagaatta	aacatctctt	catgacaaaa	accctcaaaa
163321	acactggaga	cagaaggaac	atacctcaac	acaataaaca	gacatatatg	acagactcac
163381	agctagaatc	atactaaatg	gggagaaact	gaaagtcatt	cctctaagat	ctggaacaag
163441	acaaggatgc	tcattttcac	cagtgttagt	ggaacatagt	actgaaagtc	ctagctagaa
163501	cagactagag	acagaaataa	ggggcatcca	aactgggaag	agagaagtca	aattaccttt
163561	gttcgcagat	ggtatgatct	tctgtttgga	aaaacctaga	ctccataaaa	aatgatttag
163621	aactgataaa	ttcagtaaag	tttcaggata	caaaattaaac	atacaaaaat	cagtatgcatt
163681	tctatatgtc	aatagcaaac	aatctgaaaa	tgaatcaag	gaagtaatcc	catctcccat
163741	ttgcaatagc	tataaataaa	attaataata	tctcatctct	tcaataagtg	gtgttgggaa
163801	aactgcatac	ccacatacaa	aagaataaaa	ttagaccctt	ttaatatata	aaactggacc
163861	caagttaata	tacaaaaatt	aacttgaaat	gaattaaaga	cttaaatgta	agatctgaaa
163921	ccaaaaactc	ctagagagaa	acatagggga	aaagctcctt	gacgttggcc	ttggcaataa
163981	tttttttgga	tattacacca	aaagcacaga	cttttgaaaa	aataaaacaag	taggactaca
164041	tcaaactaaa	aagcttctgc	atggcaaaaag	aaagtcaaca	acatgaaaag	gcaacctaca
164101	gaatggaggg	aaatatattgc	aaaccatata	cctgatgaga	agttaatatc	aaaatataga
164161	aaatatataa	ggaactcaca	tatctcaata	ccaaaaaaat	aataacctgt	tttataatgg
164221	gcaaaggacc	tgaatagaca	ttttttcaaa	gaagacacac	agatggccaa	cgagtgcagg
164281	aaaaagcgtt	caacatcact	aatcatcagg	gaaatgcaaa	tcaaaaccac	aatgagatat
164341	cactccacac	ctgttaggaa	agctattatg	aaaaacacaa	gagacaatga	atattggcaa
164401	gggcatggag	aaaaaagaac	ccttgtacac	tgttggtaga	aatgtaaatt	gcaacagcct
164461	ttatggaaaa	tagaatggag	gttcctcaaa	aaataaaaaat	agaactacca	tacaatctag
164521	caattccact	tatgagtgtg	catccaaagg	aatcaaatca	ctatgtcaaa	gagatatctg
164581	tacttccttg	tttattgcag	ctttactcac	agtagccaag	ataaggaaaa	aatctaaatg
164641	tccatcaacg	gataaagaaa	atgggggggag	gggtgtgcat	gtatacatat	acaatggact
164701	attttttcagc	cataacaaaag	aaggaaaacc	tgccatttgt	gacgatatga	atgaacccag
164761	aggacattat	gttaagtga	ataagccaga	cacagaaata	caaataattgt	atgatctcat
164821	ttatatgcga	atctaaaaat	ttcaaaacttg	aagacgaata	agtagaacag	tatttatcag
164881	ggacttagggg	atgtgggggaa	gaagcaaaaat	attgggcaaa	gagtataaac	tttcagttat
164941	gagatgaagg	ccaggtgcga	tggctcatgt	tggtaatccc	aatactttgg	aaggctgagg

FIGURE 4 (cont.'d)

165001	cagaggggatt	gcttgagacc	agcctaggca	agaaagtgag	acctcatctc	tacaaaaaat
165061	aaaaataaaa	gaatcagctg	ggagtgggtg	catacacctg	tagtcccagc	tagtcaggag
165121	gctgaggggg	gaggatcatt	tgaaattgga	aagtcaaggc	tgcagtcagc	caagatagtg
165181	ccactgcatt	gcagcctggg	tgacagagcg	aaaccctgtc	tcaaaaaaaaa	aaaaaaaaaa
165241	aagatgaata	agttctgggg	atcaaagtga	cagcatgggtg	actatagttt	ataactgcgt
165301	tattacttga	aattggataa	gagcagattt	taagcatccc	cagcaccccc	ccaacataca
165361	cacacacaaa	tggttaactat	aggtgggtgat	agatatgtta	atlttgactgt	gacaatcagc
165421	attcaatata	tacatatatc	aaatcatcac	atltttacccc	ttgaaataga	aactttgatt
165481	tgtcaatcaa	atatttttaaa	acgaaaaataa	tcataaatatt	aatatagcat	acaggaaaaa
165541	atlttcgtatc	tcgactgata	cagaaaaatlt	catgataaaa	acacttttaa	acaaaagaaa
165601	taaaagggaa	ctccctcaac	ctgataaatg	gcatctgtgg	aaacccccag	ctagcatcaa
165661	acttaataca	gaaaggctgg	gtgttcacct	cttgaaccag	gaacaagaca	aagatgcctg
165721	cttttgccac	ttccatttga	ccttgactgtg	aggttctggc	tagggcaatt	atccctgaaa
165781	aagaaataaaa	aggcttccaa	ataaaagaag	aagtaaaact	atctctactc	gctcatgaca
165841	tgatcttgca	tatagaaaat	gtgcacatgt	acacacacac	aaaccattag	aactaataaa
165901	caagttcagc	aagtttgcag	aatataaaat	gaatgtacaa	aaatcaagtg	tttttctata
165961	tactagcaat	taacaatctc	aaaattgaatt	aaaattccat	ttacaatagt	atcaaacata
166021	aattatttag	aaataaaaaag	tgcaactgaaa	actacaaaat	atlttgaaat	aaatcagaaa
166081	agattttaagt	aaatggatca	cttgaacctg	ggaagcagag	gttgcaagtgt	gccgagattg
166141	taccactgca	ctttagcctg	ggcaacagag	ggagactcca	aagagtcgaa	aagaaaagaa
166201	aagattttaa	taagctgaaa	catattctat	ggatcagaag	acttaatatt	gttaaagtga
166261	caatattccc	caaattgatc	tacagcttca	actcaacccc	tatcaaaatc	ctagcttgct
166321	ttttggctga	aattgacaag	ctgattctat	aatttatatg	gaatctcaaa	ggatccagaa
166381	taaccaaaaac	aatattgaaa	aataaagaac	agcgttgggtg	gattaacatt	ttccaatttc
166441	aaaacttact	atagcactgc	ggtaatcaag	cagtgtggca	ctgtatagca	tgtacattac
166501	agatcagtgg	actagaatca	atgtccagaa	ataaaccgtt	atgtttataa	tgaattactt
166561	tttaataagg	tgtcaagaca	acgcaatggg	aaaagaataa	tgaattcaac	aaatgatgca
166621	tggacaaccg	gacatgcaca	tgcaacacaa	tgaatttgaa	ttcttctatc	gctccatgca
166681	taaaaactaa	ctcaaaatgg	gtcacggatg	taaatgaaaa	gctaaaaacta	taataatcct
166741	agaggaaaaac	ctaggagtaa	atctttaaga	tgttattgta	ggcagtgggtt	tctcagatag
166801	gaccccaaaa	tcacaagcga	caaaagaaat	tggacttaaa	gttaaatact	tttgtgcttc
166861	aaacatcatc	aagaaagtga	aaacacaacc	cgcagaagca	ataaaaaatgt	ctgtaagtca
166921	tgtatccgat	tagagacttc	tatccaggat	atataaataa	tgcaattcaa	tgataaaaaa
166981	gataaatagc	ccagttttcc	aaagagtcaa	gcatctgaat	atacatctct	ccaaaaatat
167041	acagatatacc	aacaagcatg	tgaaaagatg	ttcaaagcca	tttgccaggt	gcacaaaccc
167101	aagacagtat	gaggagatgc	tacaggagact	ctgctgcttc	acagacatga	agcgttgggtg
167161	agaatgtagg	cagccgcctt	tggggacttc	acatccccgc	cgcgccacgc	acggtgagct
167221	agtgttttaa	cttagccgag	atcaatacac	gcgactgtgt	gcccgtcaga	ccctgcgctg
167281	ccggcggggc	tgggagaggc	gggcgccagg	agtgggcggg	aacctggggg	tcaggcccca
167341	gccgcgggaa	gccgcccagg	agcgcgcgaa	accttctcca	caccttcca	ggcatttgcc
167401	cgccgcgatt	cagagagccg	acccgtgacc	cctggcctcc	cctagacagc	cccgcagtgc
167461	cagatgtgcc	gtcccgcctg	cctcccgcga	ccactggcca	tctctgggcc	tgggcgcggt
167521	ctcggcgccc	gcctgcccc	gccaggagcc	gcaggtccag	ccagtgaaga	agccccgcgt
167581	gaaggagcct	ctgtgctcca	gaatccatcc	tcagtatcag	cgtgggggtg	gcctcctcca
167641	ggaagccctt	ctgattctct	catgggtcgc	tcttctctctg	cagactcccg	gagcaccctt
167701	gctccaagta	ccgcaagtgg	cactgagaac	ttggggagag	cagaggctgt	gcctagattt
167761	gtagggagtc	cccgagctc	caccccaggg	cctacaggag	cctggccttg	ggcgaagccg
167821	aggcaggcag	gcagggcaaa	gggtggaagc	aattcaggag	agaacgagtg	aacgaatgga
167881	tgaggggtgg	cagccgaggt	tgccccagtc	ccctggctgc	aggaacagac	acctcgctga
167941	ggagagaccc	aggagcgagg	cccctgcccc	gcccagaggc	aggtcccgc	cagtccggcg
168001	cgcgatgaaga	gtgggagaga	atactgcggg	ggcgggggcg	ggggcggggg	cggggcgggg
168061	ggccgcccgg	agcctggagc	cagaccgggc	ggggccggca	ccgggcccag	gacagtgggg
168121	gaggaggctg	cgggctgagc	gaccctgacc	ccccccagtc	cgcgctgggt	ccgg